INTEGRATED
PERFORMANCE
CONSULTANTS

March 1st, 2020

Deborah Smith
Executive Officer II
California Regional Water Quality Control Board
Los Angeles Region

Attention: Information Technology Unit

Malibu Civic Center WTP
2019 Annual Monitoring Report

WDR: R4-2015-0051
MRP: CI-10042

OVERVIEW

Malibu Civic Center Wastewater Treatment Plant (MCCWTP) ran well all year, with no major equipment or process issues.

A. Tabular and Graphical Summaries of Data

a. Influent and effluent quality and quantity is summarized in Attachment A.
b. Groundwater quality is summarized in the attached report by Rincon Consultants.
c. Surface water quality is summarized in the attached report by Rincon Consultants.

B. Compliance Record

a. There were no incidents of non-compliance this reporting period.

C. Results of Effluent, Groundwater, and Surface Monitoring

a. Changes in surface water quality resulting from injection and irrigation are summarized in the attached report by Rincon Consultants.
b. Changes in groundwater flow patterns resulting from injection are summarized in the attached report by Rincon Consultants.

D. Description of Changes and Anticipated Changes

During startup and subsequent operation of the new WTP, various shortcomings were identified and associated improvements were undertaken. The most notable are:

Screened Solids Handling Difficulties

Preliminary Treatment includes a coarse screen, followed by a vortex grit removal device, followed by a 1 mm fine screen. The coarse screen removed so much of the larger fibrous material that the fine screen only received extremely fine material, so fine that although it was removed by the fine screen, it was impossible to wash and compact, since it simply squeezed through the perforations of the compactor when washwater and pressure were applied. After testing various methods, the most satisfactory resolution was to bypass the coarse screen and vortex grit device. Once all preliminary solids were applied to the fine screen, the additional bulk of larger and coarser fibrous material improved performance of the washer/compactor, resolving the original problem. IPC monitors solids capture closely to ensure adequate performance with the coarse screen and vortex grit device bypassed, and will return that equipment to service when process conditions dictate.

Inadequate Flow Equalization Pump Delivery Rate

The EQ Pumps were unable to deliver design flow to the Bioreactors due to excessive headloss in the discharge piping. Design flow was 130 gpm per Bioreactor Train, but the EQ pumps were only able to deliver 60 to 110 gpm per Bioreactor Train, depending on the level in the EQ Tank. A larger test pump was installed, including an electrical upgrade for higher horsepower requirement, and this resolved the flow deficit, achieving flows up to 180 gpm and available turndown to 25 gpm with the variable frequency drive. Due to the success of the test pump, all three Phase I EQ Pumps will be similarly converted. This work is currently in progress as part of Phase II design.

Cement Mortar Lined Steel (CML) Pipe Issues

CML pipe was used almost exclusively for above ground liquid transport at the WTP. This created immediate problems with the MBR and UV systems during startup when dislodged mortar was found in samples, having been liberated due to the addition of chemicals and associated variations in pH. Membranes and UV quartz sleeves cannot tolerate abrasion, so the offending CML pipe sections were scheduled for replacement with Schedule 80 PVC. Most of that work has been completed.

Excessively Hot Control Panels

A number of control panels, including those at both sewage pump stations, all three injection wells, and the WTP hydropneumatic system were found to be operating at much higher temperatures than recommended, over 130 deg F versus the 104 deg F maximum mandated by the project specifications, subjecting sensitive electronic control components of these critical facilities to premature failure. All responsible panel manufacturer's were directed to improve cooling to meet project standards at their own cost. Bluffs Park and Legacy Park sewage pump stations high-temperature concerns have been resolved by installation of air conditioners. Injection wells 1-3 are currently being addressed. Efforts on the hydropneumatic system panels have been stalled due to refusal to comply by the equipment supplier, Pulsco.

UV Unit Flow Control Issues

The UV System was originally piped in a way that made flow measurement impossible because the outlet piping drained by gravity to the reclaimed water Clearwell, and the individual UV Unit flow meters on the outlet piping could not be kept full, which is a requirement for this type of flow meter. In concert with the CML pipe replacement job mentioned previously, the outlet piping was elevated to ensure the UV Unit flow meters remained full at all times. Once this was completed, it became apparent that it was not possible to control flow adequately to each UV Unit by relying on the natural hydraulic split expected by the designer. In order to resolve this, IPC replaced the original OPEN / CLOSED motor operated inlet valves with motor operated analog flow control valves. It is now possible to specifically control flow to each UV Unit, so that flow is distributed evenly and not allowed to exceed the 0.1 MGD design threshold per UV Unit.

Ultrasonic Level Transmitter Failures

Ultrasonic level transmitters were widely used in the original plant design. Many of these meters performed erratically, causing significant control issues during startup. The most problematic six of them (Bioreactor 1 Post Anoxic Tank 1, Bioreactor 1 Post Anoxic Tank 2, Bioreactor 2 Post Anoxic Tank 1, Bioreactor 2 Post Anoxic Tank 2, Reclaimed Water Clearwell, and Membrane Thickener), were replaced with submersible pressure style transmitters. Since then, no erratic behavior or control issues have been experienced.

Off Spec Bypass

MBRs typically produce high-quality filtrate with low turbidity, on the order of 0.05 to 0.15 ntu. Occasionally MBR filtrate turbidity is elevated, for various reasons such as increased pore size immediately after a chemical clean, the inclusion of air bubbles, etc. These types of high turbidity events can usually be resolved by continued filtration or process adjustments, but this creates a paradox that in order to improve turbidity, filtration must be allowed to continue when turbidity is high, and this creates a significant risk of a turbidity violation. No provision was made for this in the original design, so modifications were undertaken to install a high turbidity bypass system (off spec). When turbidity is off spec, the bypass is opened and remains open until turbidity is back within spec. The off-spec filtrate is therefore directed to the headworks for retreatment, and no high turbidity filtrate is allowed to proceed downstream to the UV system, where high turbidity could present difficulties with disinfection.

Consistently Low UVT

The Trojan UV Fit system was certified to achieve adequate disinfection when operated as designed on feed water with UVT of 65% or higher. It has proven very impossible to reliably achieve 65% UVT in the UV feed water. UVT was initially controlled by adding alum, but this was subsequently abandoned in favor of filtrate chlorination at 5 to 10 mg/L.

Injection Well Piping

On initial attempts to start up the injection wells, they were found to have a similar problem as the one described earlier on the UV Units, in terms of discharge piping that could not be kept full so that the flow meter could function properly. Injection Well 1 was repiped for a test, adding an inverted U downstream of the flow meter to keep the meter

flooded when the backflush pump was running. The piping modification was a success and was subsequently applied to Injection Well 2. Injection Well 3 piping modifications will be completed as part of Phase II construction.

E. List of Analytical Methods and QA/QC

A summary of the laboratories used, along with their ELAP certification numbers, expiration dates, and applicable Fields of Testing is shown on page XX. Additionally, all of the referenced ELAP certificates are attached. Analytical methods and QA/QC procedures are compiled with test reports, throughout the document.

F. Operator Certification

The following personnel are employed in the Operation and Maintenance of the WTP and associated facilities:

NAME	GRADE	CERT NO.	POSITION
Ric Vardel	V	4467	Chief Plant Operator
Golan Kfir	III	41641	Operations Supervisor
Kyle Vardel	III	42661	Operations Supervisor
Carlos Alvarez	I	35031	Lead Operator
Julio Leal	I (OIT)	44542	Operator in Training
Juan Aguilar	I (OIT)	44061	Operator in Training
Mohammed Monghasem	I (OIT)	44418	Operator in Training
Victor Arikian	I (OIT)	45069	Operator in Training

G. Summarize Changes to OMM Plan

The OMM Plan is a living document that is being revised as necessary when changes occur. The list of modifications noted in Section D, above comprises typical examples. In such cases, OMM updates include changes to Operations & Maintenance Instructions, the Asset Management program (where applicable), as well as PLC and SCADA programs.

H. Groundwater Flow and Transport

Groundwater flow and transport is summarized in the attached Surface and Groundwater monitoring report by Rincon Consultants.

a. Injection into the aquifer began in March and continued throughout the reporting period.
b. The rate and path of flow of injected water is summarized in the attached Surface and Groundwater monitoring report by Rincon Consultants.
c. Data used as parameters to calculate rates of groundwater flow reaching Santa Monica Bay, Malibu Creek, and Lagoon is summarized in the attached Surface and Groundwater monitoring report by Rincon Consultants.

All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current United States Environmental Protection Agency (USEPA) guideline procedures or as specified in this Monitoring Program. A copy of the ELAP certificate for Sierra Analytical and copies of the completed chain of custody forms are attached.

I certify under penalty of law that this document, including all attachments and supplemental information, were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the 1st day of March, 2020, at Irvine, CA.

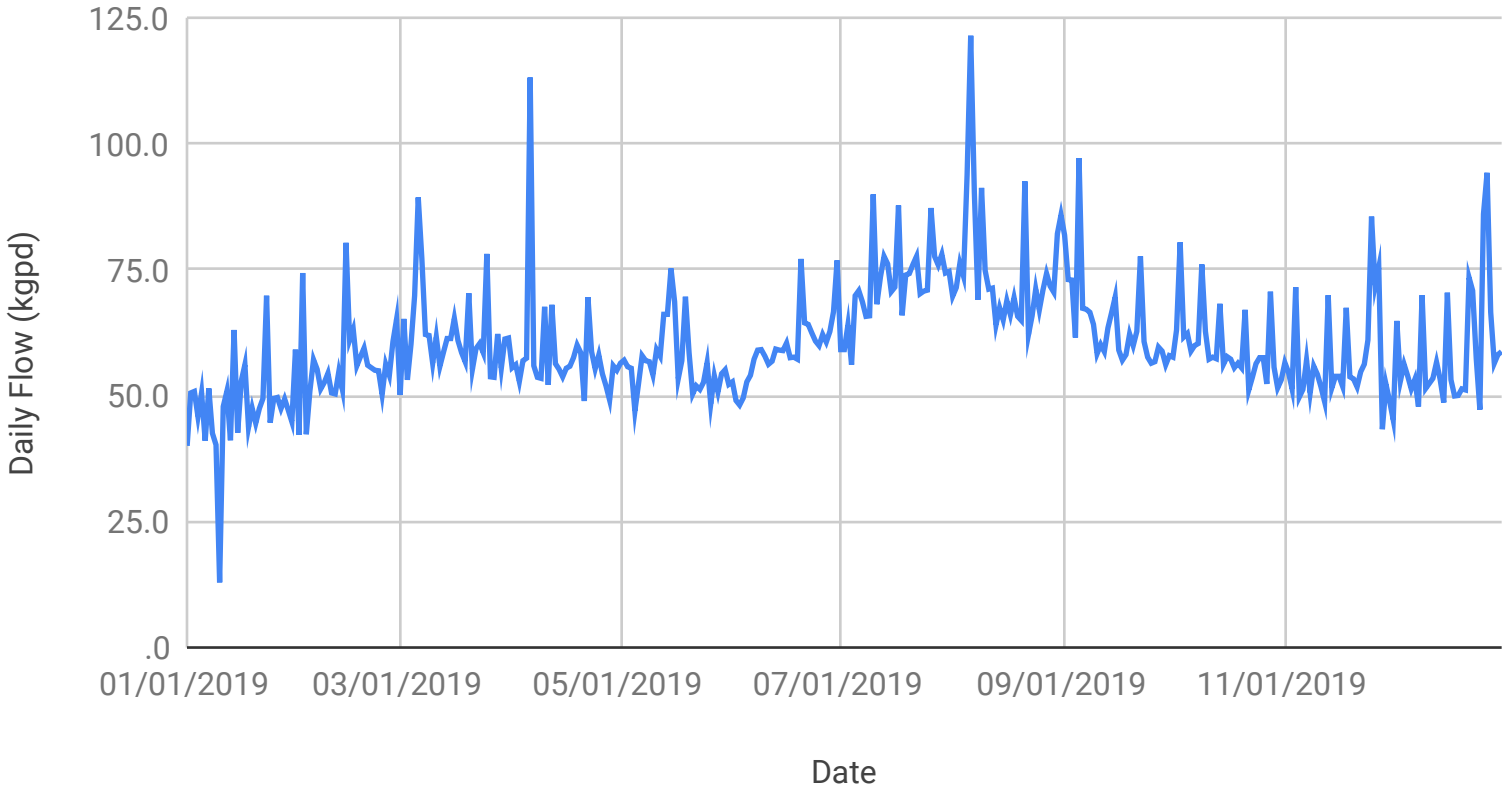
Sincerely,



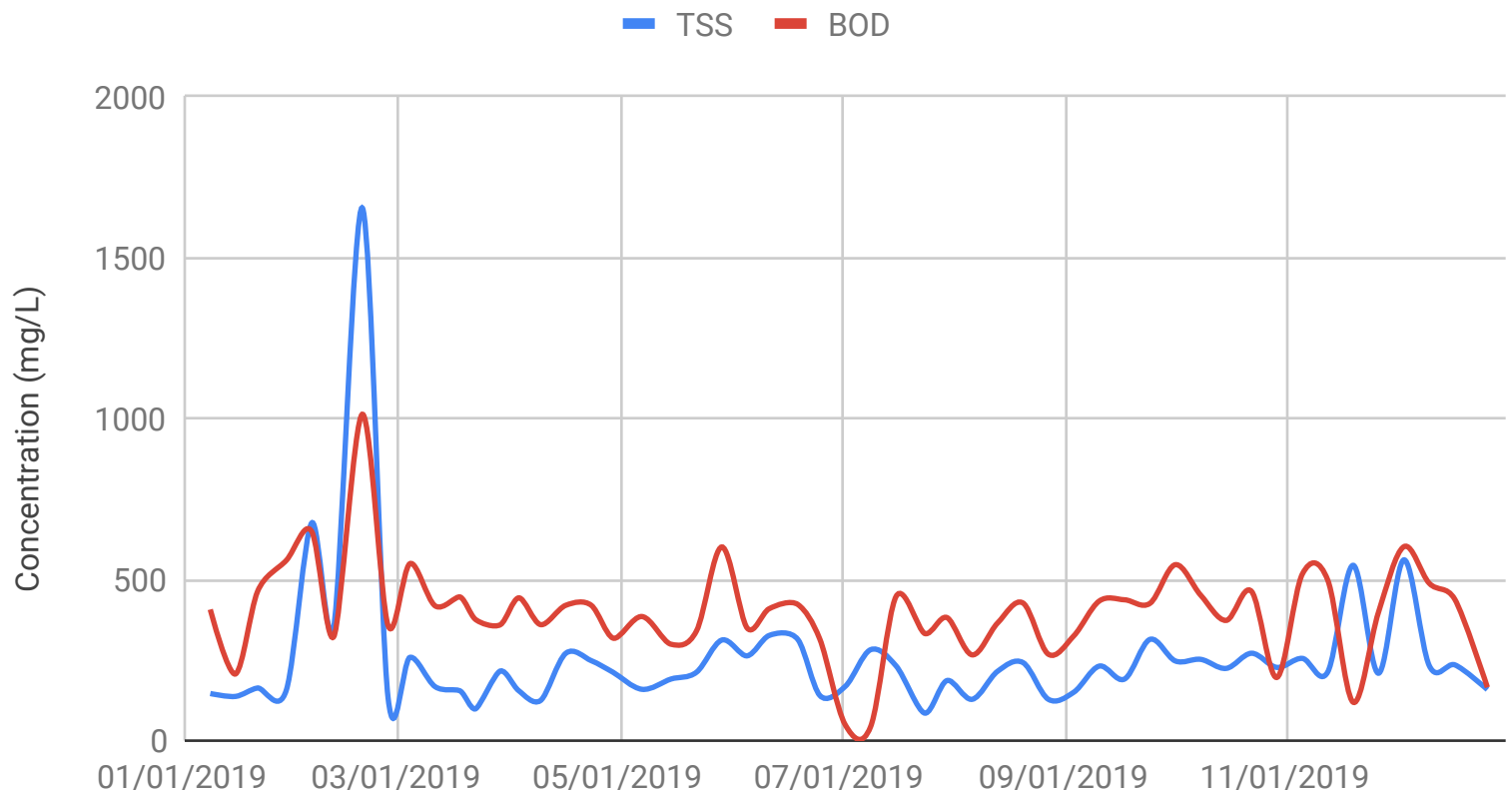
Ric Vardel, IPC Inc.
Chief Plant Operator, License V-4457

Integrated Performance Consultants, Inc.
Contract Operator, LIcense CO-0083

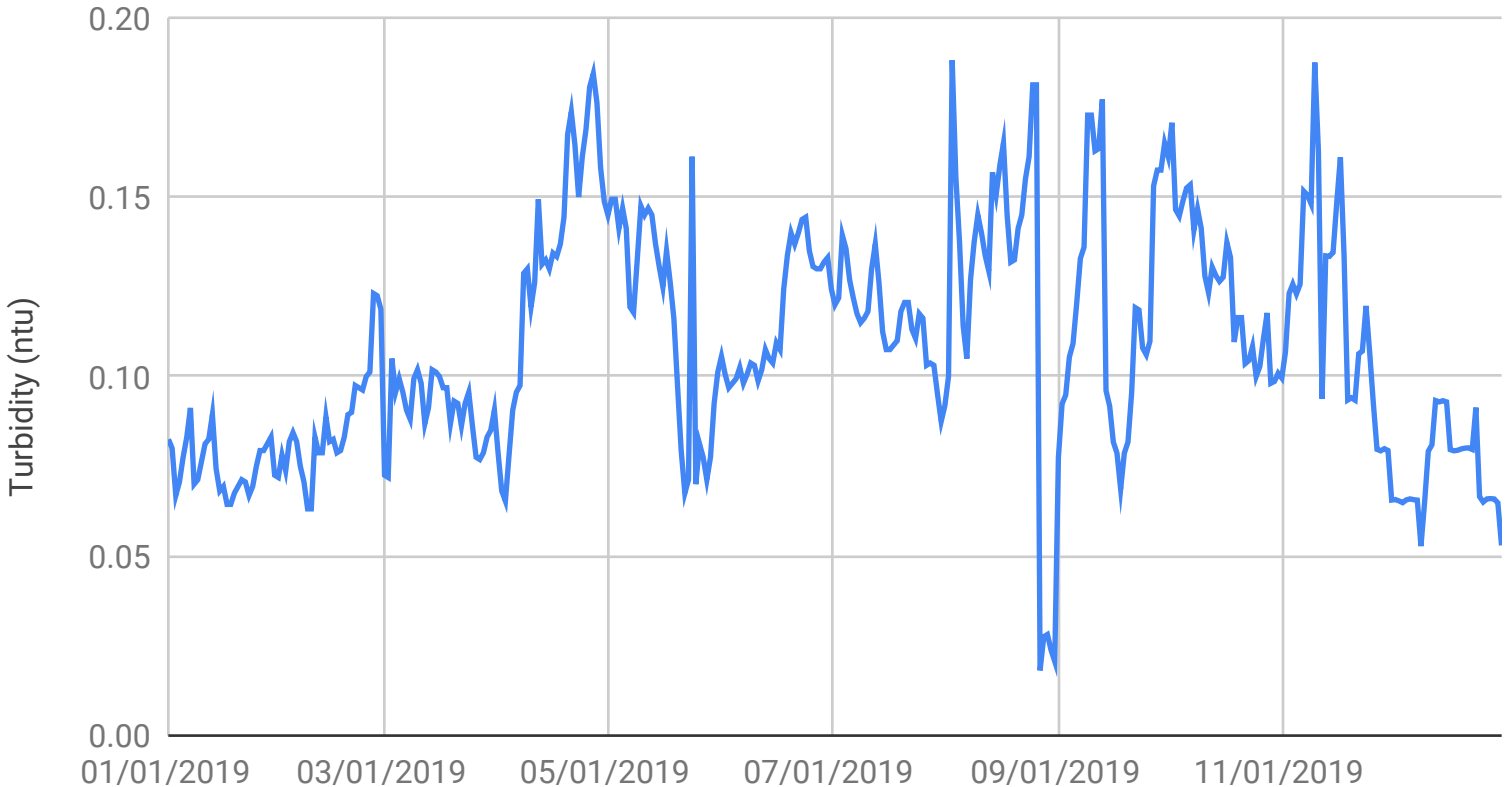
MCP WTP Flow


125.0
100.0
75.0
50.0
25.0
.0
Daily Flow (kgpd)
01/01/2019
03/01/2019
05/01/2019
07/01/2019
09/01/2019
11/01/2019
Date

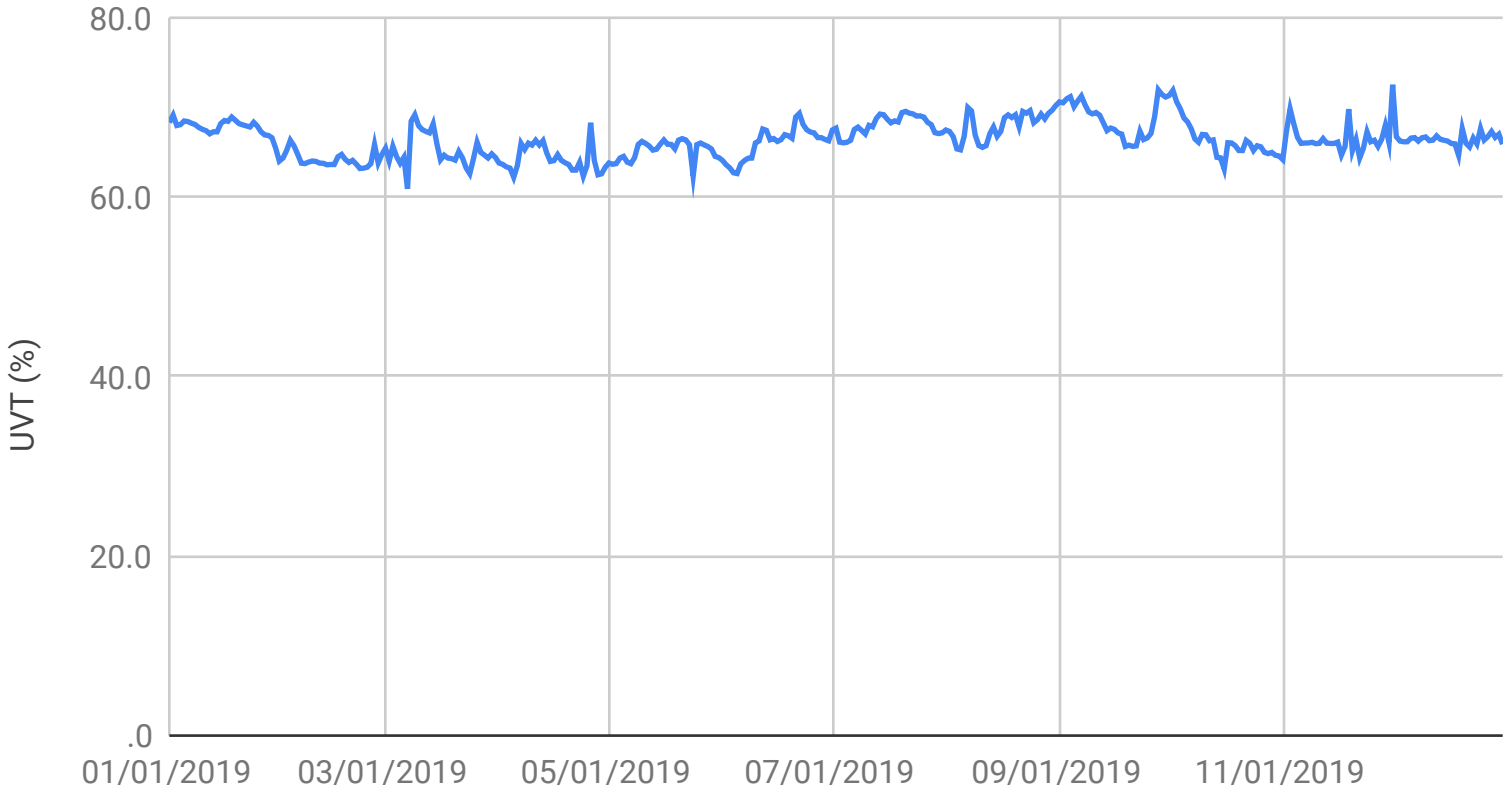
MCC WTP Influent Strength



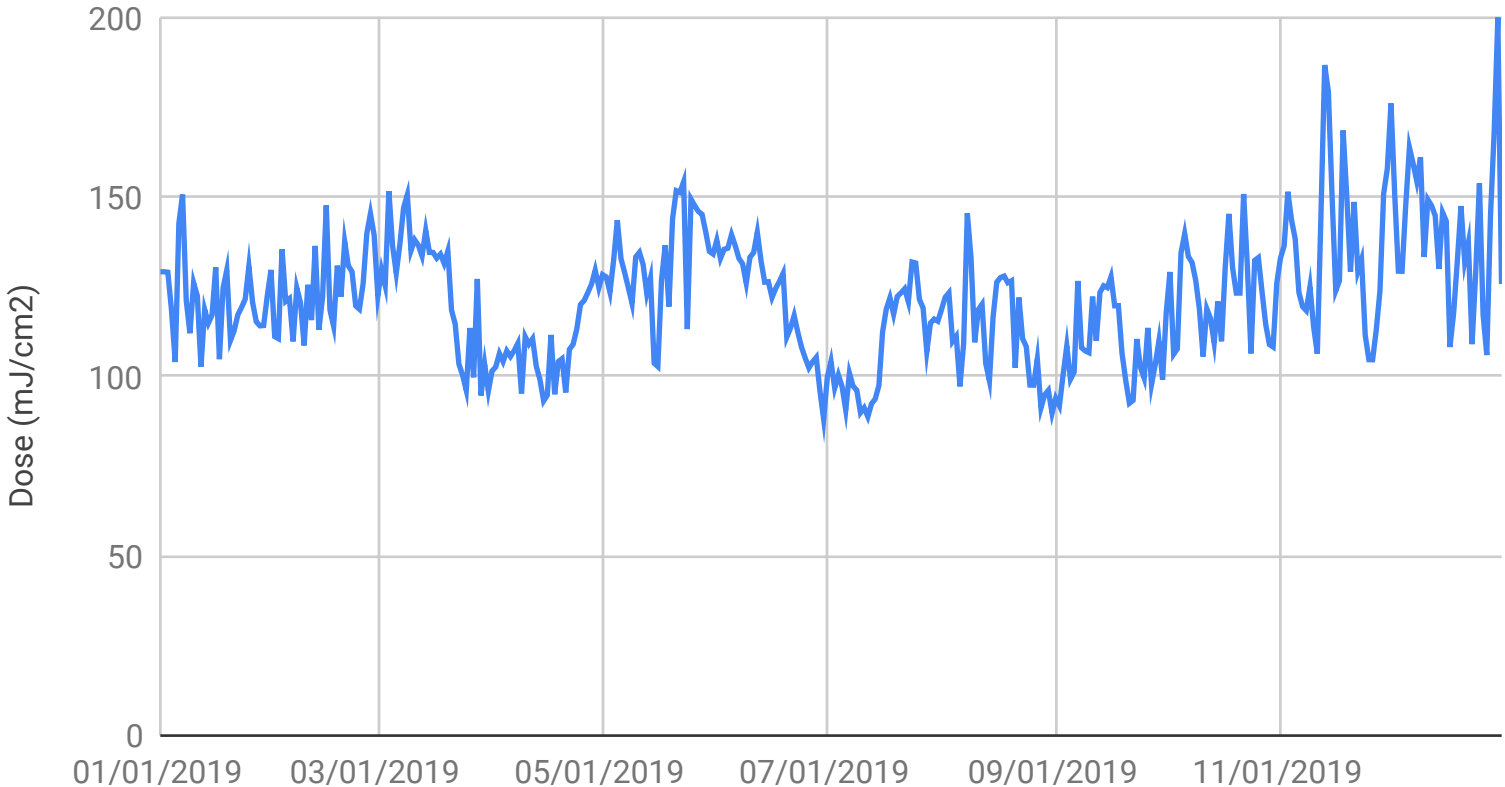
MCC WTP Effluent Turbidity



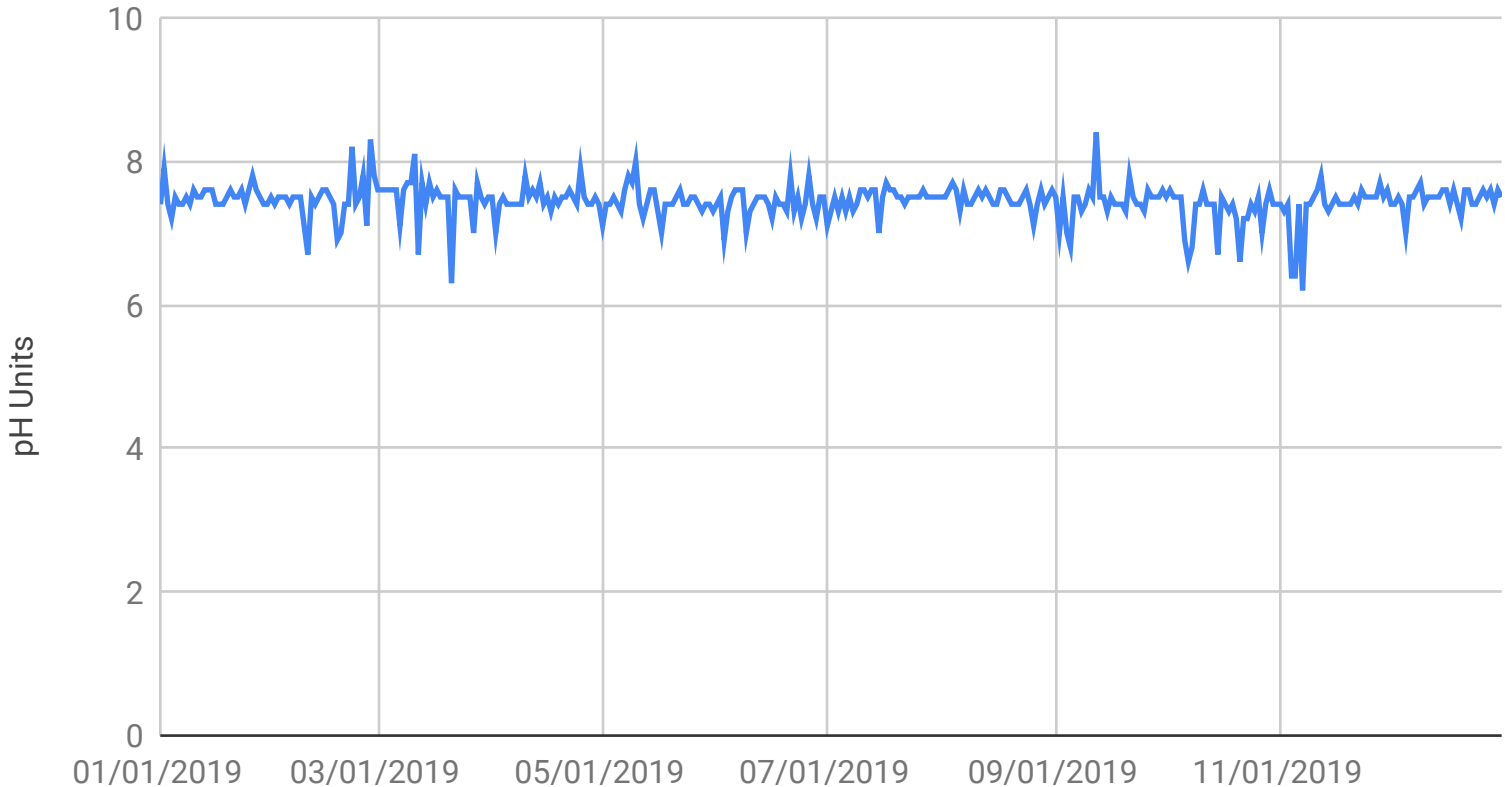
MCC WTP Effluent UV Transmittence



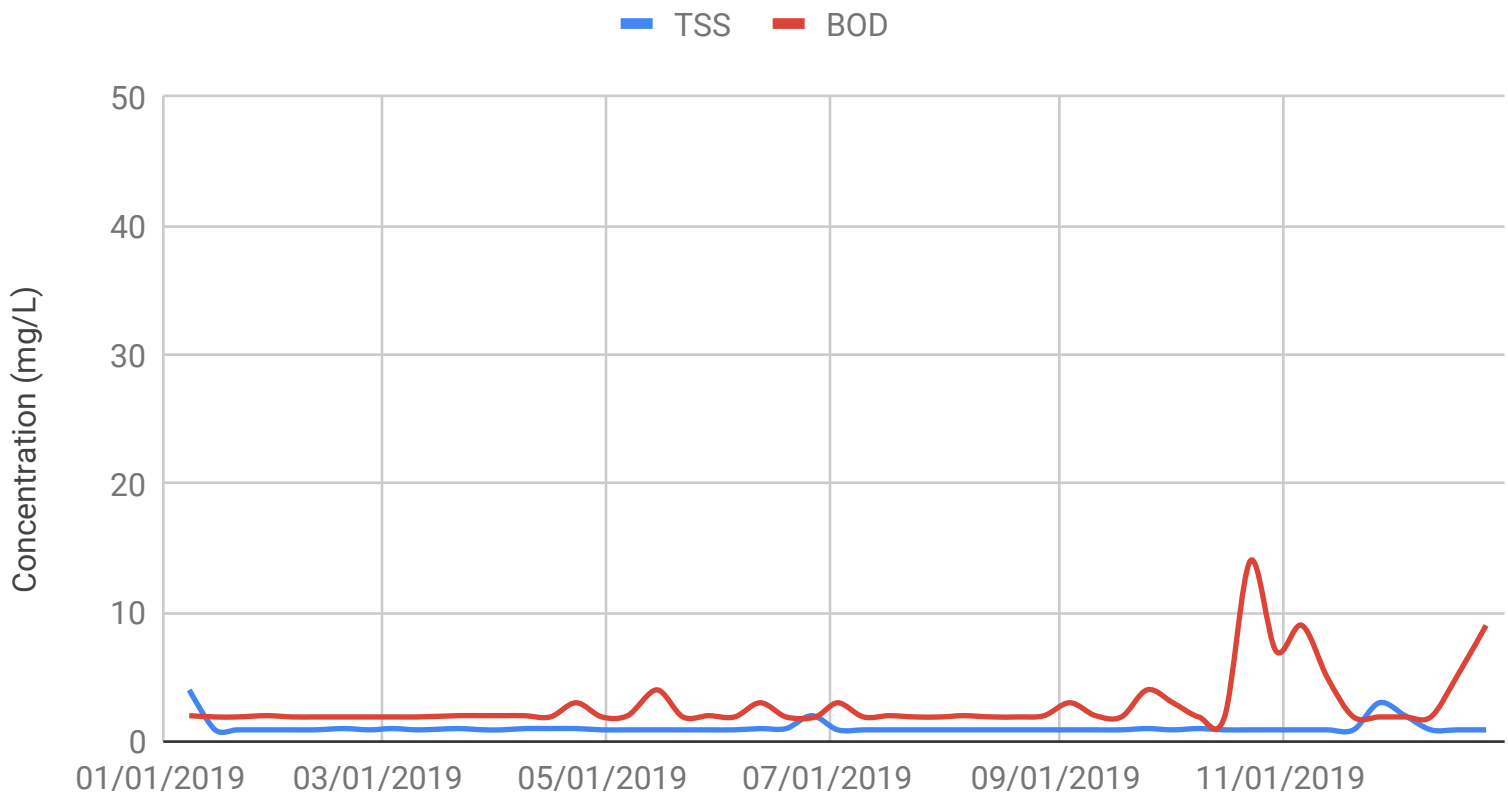
MCC WTP Effluent UV Dose



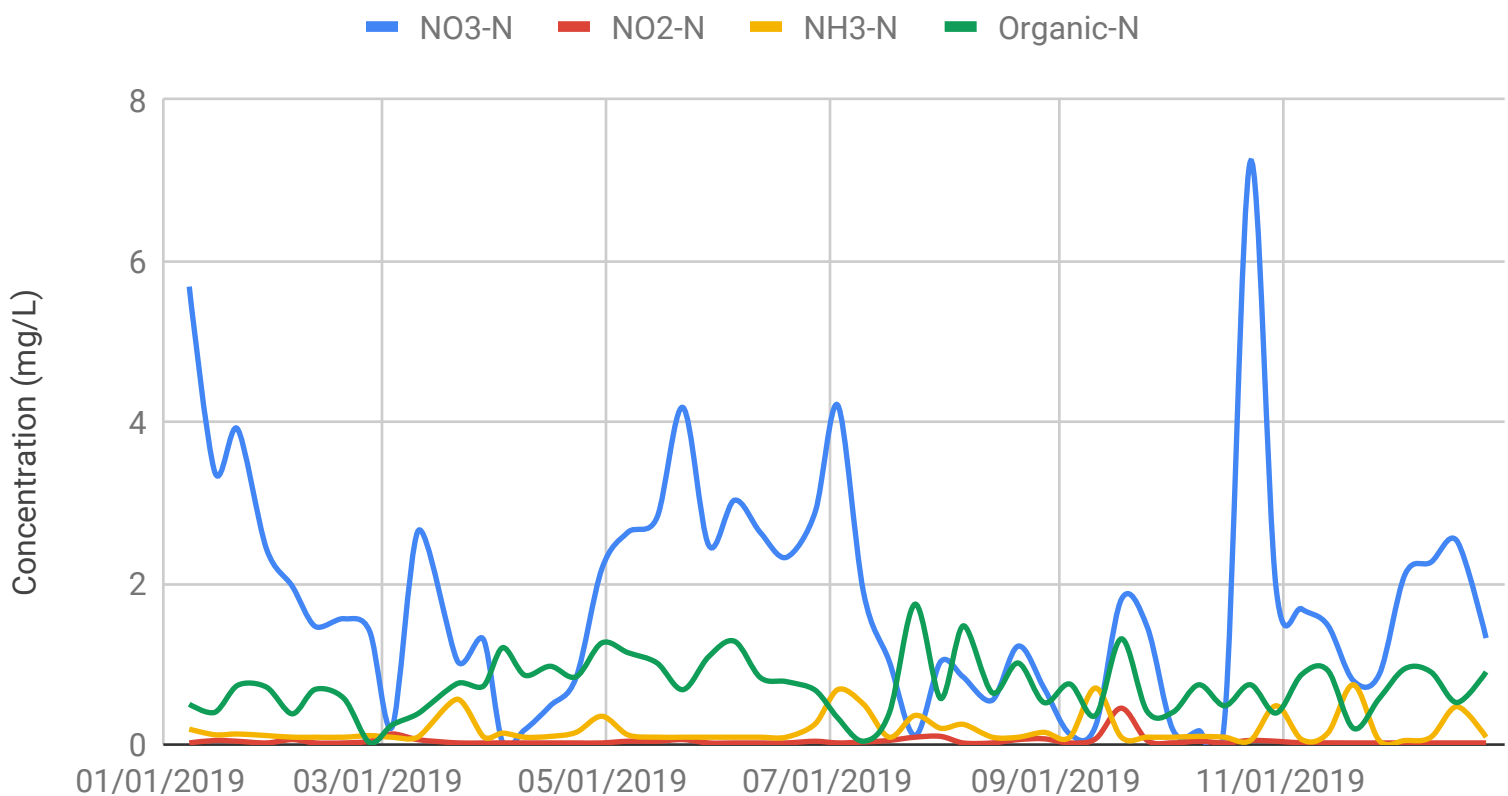
MCC WTP Effluent pH



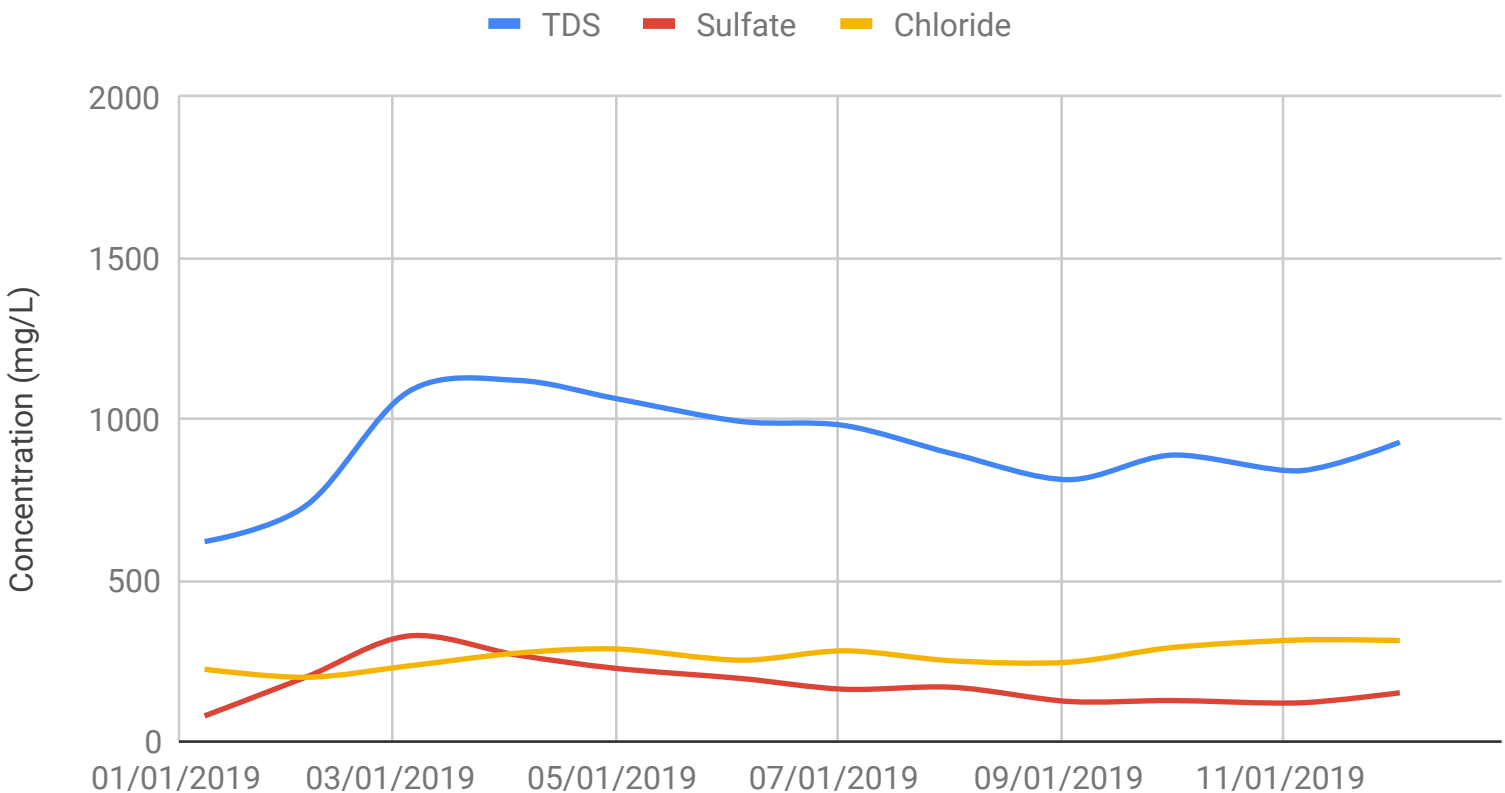
MCC WTP Effluent Strength



MCC WTP Effluent Nitrogen Species



MCC WTP Effluent Dissolved Solids



ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																		
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY									
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units		kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit 1		191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2															8.5	23	7 day			30		40								15							
Limit 3																240	med			45		45															
JAN	MAX	69.8	163	560	51.5	0.0	0.0	0.0	51.5	0.09	0.39	0.51	69.1	150.7	7.9	170.0	1.8	1.8	0.049	2.0	99.6	4.0	99.4	5.7	5.7	3.92	0.19	0.86	0.82	6.39	4.9	2.9	620	79	224	0.30	0.19
	AVG	47.1	151	409	42.0	0.0	0.0	0.0	42.0	0.07	0.13	0.03	67.8	120.9	7.5	7.4	1.8	1.8	0.049	2.0	99.5	1.7	98.9	3.9	2.9	1.00	0.12	0.72	0.61	4.62	4.9	2.9	620	79	224	0.30	0.19
	MIN	12.9	137	207	39.8	0.0	0.0	0.0	39.8	0.06	0.08	0.00	65.4	102.8	7.2	1.8	1.8	1.8	0.049	1.9	99.1	0.9	97.3	2.4	0.1	0.02	0.04	0.52	0.40	3.26	4.9	2.9	620	79	224	0.30	0.19
FEB	MAX	80.3	1,652	1,013	51.7	0.0	0.0	0.0	51.7	0.12	0.47	0.15	66.3	147.7	8.3	1.8	1.8	1.8	0.049	1.9	99.8	1.0	99.9	2.0	2.0	0.06	0.11	0.77	0.68	2.49	4.9	1.2	732	200	199	0.30	0.02
	AVG	56.1	703	585	50.8	0.0	0.0	0.0	50.8	0.09	0.14	0.01	64.2	124.9	7.2	1.8	1.8	1.8	0.049	1.9	99.6	0.9	99.7	1.6	1.6	0.03	0.10	0.51	0.41	2.14	4.9	1.2	732	200	199	0.30	0.02
	MIN	42.2	133	322	39.2	0.0	0.0	0.0	39.2	0.06	0.08	0.00	63.2	108.7	1.5	1.8	1.8	1.8	0.049	1.9	99.4	0.9	99.3	1.4	1.4	0.02	0.09	0.13	0.02	1.57	4.9	1.2	732	200	199	0.30	0.02
MAR	MAX	89.3	258	549	66.0	0.0	0.0	66.0	52.4	0.10	0.48	0.97	69.2	151.6	8.1	1.8	1.8	1.8	0.049	2.0	99.7	1.0	99.6	2.7	2.6	0.13	0.56	1.32	0.76	3.17	4.9	0.1	1,084	327	234	0.45	0.19
	AVG	61.8	178	430	54.7	0.0	0.0	22.6	32.1	0.09	0.23	0.19	65.2	126.2	7.5	1.8	1.8	1.8	0.049	2.0	99.5	1.0	99.4	1.3	1.3	0.06	0.21	0.74	0.53	2.08	4.9	0.1	1,084	327	234	0.45	0.19
	MIN	50.1	98	360	39.4	0.0	0.0	0.0	0.0	0.07	0.09	0.00	60.9	94.7	6.3	1.8	1.8	1.8	0.049	1.9	99.4	0.9	99.0	0.3	0.2	0.02	0.09	0.33	0.24	0.67	4.9	0.1	1,084	327	234	0.45	0.19
APR	MAX	113.1	271	443	59.4	0.0	0.0	59.4	0.0	0.18	0.50	1.78	68.3	129.6	7.9	1.8	1.8	1.8	0.049	3.0	99.5	1.0	99.6	2.2	2.2	0.02	0.35	1.61	1.26	3.81	4.9	0.1	1,120	268	274	0.43	0.19
	AVG	58.4	202	392	49.9	0.0	0.0	49.9	0.0	0.13	0.36	0.81	64.2	108.2	7.5	1.8	1.8	1.8	0.049	2.2	99.4	1.0	99.5	0.8	0.7	0.02	0.17	1.19	1.03	1.95	4.9	0.1	1,120	268	274	0.43	0.19
	MIN	48.9	124	318	36.5	0.0	0.0	36.5	0.0	0.07	0.11	0.00	62.2	93.2	7.0	1.8	1.8	1.8	0.049	1.9	99.3	0.9	99.2	0.0	0.0	0.02	0.09	0.95	0.84	1.15	4.9	0.1	1,120	268	274	0.43	0.19
MAY	MAX	75.2	312	601	49.4	0.0	0.0	49.4	0.0	0.16	0.36	0.46	66.5	154.2	8.0	1.8	1.8	1.8	0.049	4.0	99.7	0.9	99.7	4.2	4.2	0.06	0.12	1.26	1.14	5.01	4.9	0.2	1,064	227	287	0.51	0.19
	AVG	56.8	219	406	49.3	0.0	0.0	49.3	0.0	0.12	0.19	0.07	65.2	132.6	7.4	1.8	1.8	1.8	0.049	2.5	99.3	0.9	99.6	3.1	3.0	0.04	0.10	1.08	0.98	4.14	4.9	0.2	1,064	227	287	0.51	0.19
	MIN	46.9	159	299	49.2	0.0	0.0	49.2	0.0	0.07	0.09	0.00	62.3	102.8	7.0	1.8	1.8	1.8	0.049	1.9	98.7	0.9	99.4	2.5	2.5	0.02	0.09	0.77	0.68	3.67	4.9	0.2	1,064	227	287	0.51	0.19
JUN	MAX	77.1	326	422	89.7	0.0	0.0	55.9	36.3	0.14	0.46	1.78	69.3	140.2	7.8	1.8	1.8	1.8	0.049	3.0	99.5	2.0	99.7	3.0	3.0	0.04	0.26	1.37	1.28	4.42	4.9	3.0	992	195	252	0.44	0.19
	AVG	59.3	261	374	52.7	0.0	0.0	49.3	3.4	0.12	0.21	0.15	66.0	122.2	7.4	1.8	1.8	1.8	0.049	2.2	99.4	1.2	99.4	2.7	2.7	0.02	0.13	1.02	0.89	3.77	4.9	3.0	992	195	252	0.44	0.19
	MIN	48.1	140	315	37.8	0.0	0.0	20.4	0.0	0.10	0.11	0.00	62.6	88.1	6.9	1.8	1.8	1.8	0.049	1.9	99.3	0.9	98.6	2.3	2.3	0.02	0.09	0.87	0.67	3.21	4.9	3.0	992	195	252	0.44	0.19
JUL	MAX	89.9	282	447	80.1	0.0	0.0	80.1	0.0	0.14	0.49	0.76	69.5	131.9	7.7	1.8	1.8	1.8	0.049	3.0	99.6	0.9	99.7	4.2	4.2	0.10	0.68	2.10	1.74	5.24	4.9	2.9	980	162	281	0.42	0.02
	AVG	72.2	191	251	67.5	0.0	0.0	67.5	0.0	0.12	0.24	0.17	68.0	108.3	7.5	1.8	1.8	1.8	0.049	2.1	97.6	0.9	99.4	1.7	1.7	0.06	0.37	0.98	0.61	2.69	4.9	2.9	980	162	281	0.42	0.02
	MIN	56.1	85	43	48.8	0.0	0.0	48.8	0.0	0.09	0.12	0.00	66.0	88.8	7.0	1.8	1.8	1.8	0.049	1.9	93.9	0.9	98.9	0.2	0.1	0.02	0.09	0.48	0.04	1.56	4.9	2.9	980	162	281	0.42	0.02
AUG	MAX	121.4	242	427	109.6	0.0	0.0	109.6	0.0	0.19	0.49	1.68	70.2	145.5	7.7	1.8	1.8	1.8	0.070	2.0	99.6	0.9	99.6	1.3	1.2	0.07	0.25	1.72	1.47	2.58	4.9	0.1	892	168	250	0.36	0.19
	AVG	74.8	178	332	64.9	0.0	0.0	64.9	0.0	0.12	0.30	0.45	68.0	112.5	7.5	1.8	1.8	1.8	0.050	2.0	99.4	0.9	99.5	0.9	0.8	0.04	0.15	1.06	0.91	1.92	4.9	0.1	892	168	250	0.36	0.19
	MIN	62.1	128	266	16.0	0.0	0.0	16.0	0.0	0.02	0.07	0.00	65.3	89.8	7.1	1.8	1.8	1.8	0.049	1.9	99.2	0.9	99.3	0.6	0.6	0.02	0.09	0.67	0.52	1.30	4.9	0.1	892	168	250	0.36	0.19
SEP	MAX	97.1	314	437	65.4	0.0	0.0	65.4	0.0	0.18	0.50	2.80	71.9	127.8	8.4	170.0	1.8	1.8	84.000	4.0	99.6	1.0	99.7	2.3	1.8	0.45	0.70	1.40	1.31	3.65	4.9	0.1	812	124	246	0.27	0.02
	AVG	64.3	222	405	51.0	0.0	0.0	51.0	0.0	0.12	0.37	0.65	68.7	108.1	7.4	7.4	1.8	1.8	3.103	2.7	99.3	0.9	99.6	1.1	0.9	0.15	0.24	0.95	0.71	2.00	4.9	0.1	812	124	246	0.27	0.02
	MIN	56.1	150	325	21.0	0.0	0.0	21.0	0.0	0.07	0.10	0.00	65.6	91.8	6.8	1.8	1.8	1.8	0.049	1.9	99.1	0.9	99.4	0.1	0.1	0.02	0.09	0.50	0.36	0.99	4.9	0.1	812	124	246	0.27	0.02
OCT	MAX	80.4	271	546	71.8	0.0	0.0	71.8	0.0	0.17	0.49	3.97	71.9	150.8	7.6	1.8	1.8	1.8	6.900	14.0	99.5	1.0	99.7	7.3	7.2	0.05	0.48	0.87	0.74	8.07	4.9	0.3	888	127	291	0.42	0.19
	AVG	59.6	244	406	55.0	0.0	0.0	55.0	0.0	0.13	0.33	1.15	66.5	123.0	7.3	1.8	1.8	1.8	0.921	5.6	98.4	0.9	99.6	2.0	2.0	0.03	0.16	0.71	0.55	2.71	4.9	0.3	888	127	291	0.42	0.19
	MIN	51.1	224	196	36.3	0.0	0.0	36.3	0.0	0.10	0.12	0.00	63.1	105.6	6.6	1.8	1.8	1.8	0.049	1.9	96.4	0.9	99.6	0.2	0.2	0.02	0.05	0.49	0.39	0.69	4.9	0.3	888	127	291	0.42	0.19
NOV	MAX	85.5	544	517	99.0	0.0	0.0	99.0	0.0	0.19	0.50	1.88	69.8	186.8	7.8	1.8	1.8	1.8	0.890	9.0	99.5	3.0	99.8	1.7	1.7	0.02	0.74	1.06	0.92	2.63	4.9	2.4	840	120	315	0.44	0.08
	AVG	57.0	305	383	55.5	0.0	0.0	55.5	0.0	0.12	0.29	0.24	66.3	134.9	7.4	1.8	1.8	1.8	0.113	4.4	98.8	1.4	99.4	1.2	1.2	0.02	0.25	0.89	0.64	2.11	4.9	2.4	840	120	315	0.44	0.08
	MIN	43.3	209	119	38.9	0.0	0.0	38.9	0.0	0.08	0.12	0.00	64.2	104.7	6.2	1.8	1.8	1.8	0.049	1.9	98.3	0.9	98.6	0.8	0.8	0.02	0.05	0.62	0.20	1.51	4.9	2.4	840	120	315	0.44	0.08
DEC	MAX	94.2	561	602	140.4	0.0	0.0	140.4	0.0	0.09	0.32	0.51	72.5	200.0	7.7	1.8	1.8	1.8	0.049	9.0	99.7	2.0	99.6	2.5	2.5	0.02	0.47	0.99	0.94	3.12	4.9	1.5	928	151	313	0.32	0.05
	AVG	58.2	297	424	57.0	0.0	0.0	57.0	0.0	0.07	0.16	0.05	66.6	141.8	7.5	1.8	1.8	1.8	0.049	4.5	98.2	1.2	99.6	2.1	2.1	0.02	0.17	0.99	0.82	3.12	4.9	1.5	928	151	313	0.32	0.05
	MIN	45.2	158	165	28.4	0.0	0.0	28.4	0.0	0.05	0.07	0.00	64.7	106.0	7.0	1.8	1.8	1.8	0.049	1.9	94.5	0.9	99.4	1.3	1.3	0.02	0.05	0.99	0.52	3.12	4.9	1.5	928	151	313	0.32	0.05
ANNUAL	MAX	121.4	1,652	1,013	140.4	0.0	0.0	140.4	52.4	0.19	0.50	3.97	72.5	200.0	8.4	170.0	1.8	1.8	84.000	14.0	99.8	4.0	99.9	7.3	7.2	3.92	0.74	2.10	1.74	8.07	4.9	3.0	1,120	327	315	0.51	0.19
	AVG	60.5	262	400	54.2	0.0	0.0	43.5	10.7	0.11	0.25	0.33	66.4	122.0	7.4	2.7	1.8	1.8	0.382	2.8	99.0	1.1	99.5	1.9	1.7	0.12	0.18	0.90	0.72	2.77	4.9	1.2	913	179	264	0.39	0.13
	MIN	12.9	85	43	16.0	0.0	0.0	0.0	0.0	0.02	0.07	0.00	60.9	88.1	1.5	1.8	1.8	1.8	0.049	1.9	93.9	0.9	97.3	0.0	0.0	0.02	0.04	0.13	0.02	0.67	4.9	0.1	620	79	199	0.27	0.02

		Mgal
ANNUAL	TOTAL	21.9

Mgal	Mgal	Mgal	Mgal	Mgal
19.6	0.0	0.0	15.8	3.7

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																			
		DAILY	WEEKLY		DAILY															WEEKLY										MONTHLY										
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS			
	Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5			
	Limit 2														8.5	23	7 day			30		40									15									
	Limit 3															240	med			45		45																		
01/01/2019	Tue	40.0			40.5	0.0	0.0	0.0	40.5	0.08	0.25	0.05	68.3	129.2	7.4	1.79	1.79	1.79	0.049																					
01/02/2019	Wed	50.5			40.6	0.0	0.0	0.0	40.6	0.08	0.12	0.00	69.1	129.2	7.9	1.79	1.79	1.79	0.049																					
01/03/2019	Thu	50.8			40.9	0.0	0.0	0.0	40.9	0.07	0.10	0.00	68.0	129.1	7.4	1.79	1.79	1.79	0.049																					
01/04/2019	Fri	45.8			40.9	0.0	0.0	0.0	40.9	0.07	0.10	0.00	68.1	118.4	7.2	1.79	1.79	1.79	0.049																					
01/05/2019	Sat	50.5			40.9	0.0	0.0	0.0	40.9	0.08	0.09	0.00	68.5	104.0	7.5	1.79	1.79	1.79	0.049																					
01/06/2019	Sun	41.0			40.7	0.0	0.0	0.0	40.7	0.08	0.09	0.00	68.4	142.7	7.4	1.79	1.79	1.79	0.049																					
01/07/2019	Mon	51.4			40.9	0.0	0.0	0.0	40.9	0.09	0.24	0.05	68.2	150.7	7.4	1.79	1.79	1.79	0.049																					
01/08/2019	Tue	42.5	146	407	41.0	0.0	0.0	0.0	41.0	0.07	0.08	0.00	68.1	121.2	7.5	1.79	1.79	1.79	0.049	2.0	99.5	4.0	97.3	5.7	5.7	0.02	0.19	0.69	0.50	6.39	4.9	2.9	620	79	224	0.30	0.19		
01/09/2019	Wed	40.2			40.8	0.0	0.0	0.0	40.8	0.07	0.13	0.00	67.8	112.0	7.4	1.79	1.79	1.79	0.049																					
01/10/2019	Thu	12.9			40.9	0.0	0.0	0.0	40.9	0.08	0.09	0.00	67.5	126.1	7.6	1.79	1.79	1.79	0.049																					
01/11/2019	Fri	47.8			41.0	0.0	0.0	0.0	41.0	0.08	0.09	0.00	67.4	122.5	7.5	1.79	1.79	1.79	0.049																					
01/12/2019	Sat	50.8			41.0	0.0	0.0	0.0	41.0	0.08	0.39	0.51	67.0	102.8	7.5	1.79	1.79	1.79	0.049																					
01/13/2019	Sun	41.1			40.9	0.0	0.0	0.0	40.9	0.09	0.11	0.00	67.3	118.6	7.6	1.79	1.79	1.79	0.049																					
01/14/2019	Mon	63.0			41.1	0.0	0.0	0.0	41.1	0.07	0.33	0.10	67.3	114.9	7.6	1.79	1.79	1.79	0.049																					
01/15/2019	Tue	42.6	137	207	40.9	0.0	0.0	0.0	40.9	0.07	0.08	0.00	68.2	117.1	7.6	1.79	1.79	1.79	0.049	1.9	99.1	0.9	99.3	3.4	3.4	0.05	0.12	0.52	0.40	3.94									
01/16/2019	Wed	52.9			40.9	0.0	0.0	0.0	40.9	0.07	0.10	0.00	68.5	130.5	7.4	1.79	1.79	1.79	0.049																					
01/17/2019	Thu	56.1			41.2	0.0	0.0	0.0	41.2	0.06	0.08	0.00	68.4	104.8	7.4	1.79	1.79	1.79	0.049																					
01/18/2019	Fri	43.7			40.9	0.0	0.0	0.0	40.9	0.06	0.08	0.00	68.9	124.7	7.4	1.79	1.79	1.79	0.049																					
01/19/2019	Sat	47.5			41.1	0.0	0.0	0.0	41.1	0.07	0.08	0.00	68.5	129.6	7.5	1.79	1.79	1.79	0.049																					
01/20/2019	Sun	44.5			46.3	0.0	0.0	0.0	46.3	0.07	0.08	0.00	68.2	110.1	7.6	170.00	1.79	1.79	0.049																					
01/21/2019	Mon	47.4	163	462	51.2	0.0	0.0	0.0	51.2	0.07	0.29	0.10	68.0	112.8	7.5	1.79	1.79	1.79	0.049	1.9	99.6	0.9	99.4	4.1	0.1	3.92	0.04	0.86	0.82	4.91									
01/22/2019	Tue	49.4			51.5	0.0	0.0	0.0	51.5	0.07	0.09	0.00	67.9	117.2	7.5	1.79	1.79	1.79	0.049																					
01/23/2019	Wed	69.8			41.0	0.0	0.0	0.0	41.0	0.07	0.08	0.00	67.8	119.2	7.6	1.79	1.79	1.79	0.049																					
01/24/2019	Thu	44.6			41.1	0.0	0.0	0.0	41.1	0.07	0.14	0.00	68.3	121.5	7.4	1.79	1.79	1.79	0.049																					
01/25/2019	Fri	49.4			47.3	0.0	0.0	0.0	47.3	0.08	0.08	0.00	67.9	130.7	7.6	1.79	1.79	1.79	0.049																					
01/26/2019	Sat	49.6			40.9	0.0	0.0	0.0	40.9	0.08	0.09	0.00	67.3	120.7	7.8	1.79	1.79	1.79	0.049																					
01/27/2019	Sun	47.4			40.9	0.0	0.0	0.0	40.9	0.08	0.09	0.00	66.9	115.3	7.6	1.79	1.79	1.79	0.049																					
01/28/2019	Mon	49.3			40.9	0.0	0.0	0.0	40.9	0.08	0.15	0.00	66.9	114.1	7.5	1.79	1.79	1.79	0.049																					
01/29/2019	Tue	47.1	158	560	40.8	0.0	0.0	0.0	40.8	0.08	0.09	0.00	66.6	114.2	7.4	1.79	1.79	1.79	0.049	2.0	99.6	0.9	99.4	2.4	2.4	0.02	0.11	0.82	0.71	3.26									
01/30/2019	Wed	44.8			39.8	0.0	0.0	0.0	39.8	0.07	0.09	0.00	65.4	122.5	7.4	1.79	1.79	1.79	0.049																					
01/31/2019	Thu	59.1			39.4	0.0	0.0	0.0	39.4	0.07	0.10	0.00	64.0	129.7	7.5	1.79	1.79	1.79	0.049																					
	TOTAL	1,414			1,259	0	0	0	1,259																															
	MAX	69.8	163	560	51.5	0.0	0.0	0.0	51.5	0.09	0.39	0.51	69.1	150.7	7.9	170.00	1.79	1.79	0.049	2.0	99.6	4.0	99.4	5.7	5.7	3.92	0.19	0.86	0.82	6.39	4.9	2.9	620	79	224	0.30	0.19		
	AVG	47.1	151	409	42.0	0.0	0.0	0.0	42.0	0.07	0.13	0.03	67.8	120.9	7.5	7.40	1.79	1.79	0.049	2.0	99.5	1.7	98.9	3.9	2.9	1.00	0.12	0.72	0.61	4.62	4.9	2.9	620	79	224	0.30	0.19		
	MIN	12.9	137	207	39.8	0.0	0.0	0.0	39.8	0.06	0.08	0.00	65.4	102.8	7.2	1.8	1.79	1.8	0.049	1.9	99.1	0.9	97.3	2.4	0.1	0.02	0.04	0.52	0.40	3.26	4.9	2.9	620	79	224	0.30	0.19		

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																		
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY								
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
	Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
	Limit 2														8.5	23	7 day			30		40									15							
	Limit 3															240	med			45		45																
02/01/2019	Fri	42.2			39.2	0.0	0.0	0.0	39.2	0.08	0.09	0.00	64.3	111.1	7.4	1.79	1.79	1.79	0.049																				
02/02/2019	Sat	74.3			49.7	0.0	0.0	0.0	49.7	0.07	0.14	0.00	65.2	110.6	7.5	1.79	1.79	1.79	0.049																				
02/03/2019	Sun	42.3			51.2	0.0	0.0	0.0	51.2	0.08	0.10	0.00	66.3	135.4	7.5	1.79	1.79	1.79	0.049																				
02/04/2019	Mon	50.9			51.3	0.0	0.0	0.0	51.3	0.08	0.17	0.00	65.7	120.9	7.5	1.79	1.79	1.79	0.049																				
02/05/2019	Tue	57.1	676	648	51.3	0.0	0.0	0.0	51.3	0.08	0.09	0.00	64.8	121.7	7.4	1.79	1.79	1.79	0.049	1.9	99.7	0.9	99.9	2.0	2.0	0.06	0.09	0.47	0.38	2.49	4.9	1.2	732	200	199	0.30	0.02
02/06/2019	Wed	55.2			51.2	0.0	0.0	0.0	51.2	0.08	0.09	0.00	63.8	109.8	1.5	1.79	1.79	1.79	0.049																				
02/07/2019	Thu	51.3			51.2	0.0	0.0	0.0	51.2	0.07	0.08	0.00	63.7	124.7	7.5	1.79	1.79	1.79	0.049																				
02/08/2019	Fri	52.6			51.1	0.0	0.0	0.0	51.1	0.06	0.08	0.00	63.9	120.6	7.5	1.79	1.79	1.79	0.049																				
02/09/2019	Sat	54.4			51.3	0.0	0.0	0.0	51.3	0.06	0.23	0.10	64.0	108.7	7.1	1.79	1.79	1.79	0.049																				
02/10/2019	Sun	50.5			51.2	0.0	0.0	0.0	51.2	0.08	0.10	0.00	64.0	125.6	6.7	1.79	1.79	1.79	0.049																				
02/11/2019	Mon	50.3	352	322	51.2	0.0	0.0	0.0	51.2	0.08	0.09	0.00	63.8	115.7	7.5	1.79	1.79	1.79	0.049	1.9	99.4	0.9	99.7	1.5	1.5	0.02	0.09	0.77	0.68	2.26							
02/12/2019	Tue	54.7			51.2	0.0	0.0	0.0	51.2	0.08	0.47	0.15	63.8	136.4	7.4	1.79	1.79	1.79	0.049																				
02/13/2019	Wed	51.2			51.3	0.0	0.0	0.0	51.3	0.09	0.11	0.00	63.6	113.0	7.5	1.79	1.79	1.79	0.049																				
02/14/2019	Thu	80.3			51.6	0.0	0.0	0.0	51.6	0.08	0.12	0.00	63.6	122.1	7.6	1.79	1.79	1.79	0.049																				
02/15/2019	Fri	61.0			51.3	0.0	0.0	0.0	51.3	0.08	0.10	0.00	63.6	147.7	7.6	1.79	1.79	1.79	0.049																				
02/16/2019	Sat	63.1			51.3	0.0	0.0	0.0	51.3	0.08	0.10	0.00	64.5	118.6	7.5	1.79	1.79	1.79	0.049																				
02/17/2019	Sun	55.9			51.2	0.0	0.0	0.0	51.2	0.08	0.11	0.00	64.7	114.0	7.4	1.79	1.79	1.79	0.049																				
02/18/2019	Mon	57.7			51.2	0.0	0.0	0.0	51.2	0.08	0.11	0.00	64.2	130.9	6.9	1.79	1.79	1.79	0.049																				
02/19/2019	Tue	59.4	1,652	1,013	51.4	0.0	0.0	0.0	51.4	0.09	0.11	0.00	63.9	122.2	7.0	1.79	1.79	1.79	0.049	1.9	99.8	1.0	99.9	1.6	1.6	0.02	0.09	0.66	0.57	2.24							
02/20/2019	Wed	56.0			51.3	0.0	0.0	0.0	51.3	0.09	0.17	0.00	64.1	137.6	7.4	1.79	1.79	1.79	0.049																				
02/21/2019	Thu	55.5			51.3	0.0	0.0	0.0	51.3	0.10	0.11	0.00	63.7	130.8	7.4	1.79	1.79	1.79	0.049																				
02/22/2019	Fri	55.0			51.3	0.0	0.0	0.0	51.3	0.10	0.12	0.00	63.2	129.2	8.2	1.79	1.79	1.79	0.049																				
02/23/2019	Sat	54.9			51.2	0.0	0.0	0.0	51.2	0.10	0.11	0.00	63.2	119.7	7.4	1.79	1.79	1.79	0.049																				
02/24/2019	Sun	50.2			51.3	0.0	0.0	0.0	51.3	0.10	0.12	0.00	63.3	118.8	7.5	1.79	1.79	1.79	0.049																				
02/25/2019	Mon	56.2			51.4	0.0	0.0	0.0	51.4	0.10	0.13	0.00	63.7	125.8	7.8	1.79	1.79	1.79	0.049																				
02/26/2019	Tue	54.0	133	357	51.3	0.0	0.0	0.0	51.3	0.12	0.22	0.05	65.8	139.8	7.1	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.3	1.4	1.4	0.04	0.11	0.13	0.02	1.57							
02/27/2019	Wed	60.7			51.5	0.0	0.0	0.0	51.5	0.12	0.17	0.00	63.8	145.4	8.3	1.79	1.79	1.79	0.049																				
02/28/2019	Thu	65.1			51.7	0.0	0.0	0.0	51.7	0.12	0.19	0.00	64.7	139.4	7.8	1.79	1.79	1.79	0.049																				
TOTAL		1,572			1,423	0	0	0	1,423																														
MAX		80.3	1,652	1,013	51.7	0.0	0.0	0.0	51.7	0.12	0.47	0.15	66.3	147.7	8.3	1.79	1.79	1.79	0.049	1.9	99.8	1.0	99.9	2.0	2.0	0.06	0.11	0.77	0.68	2.49	4.9	1.2	732	200	199	0.30	0.02
AVG		56.1	703	585	50.8	0.0	0.0	0.0	50.8	0.09	0.14	0.01	64.2	124.9	7.2	1.79	1.79	1.79	0.049	1.9	99.6	0.9	99.7	1.6	1.6	0.03	0.10	0.51	0.41	2.14	4.9	1.2	732	200	199	0.30	0.02
MIN		42.2	133	322	39.2	0.0	0.0	0.0	39.2	0.06	0.08	0.00	63.2	108.7	1.5	1.79	1.79	1.79	0.049	1.9	99.4	0.9	99.3	1.4	1.4	0.02	0.09	0.13	0.02	1.57	4.9	1.2	732	200	199	0.30	0.02

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																			
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY										
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS			
Units		kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			
Limit 1		191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5			
Limit 2															8.5	23	7 day			30		40									15									
Limit 3																240	med			45		45																		
03/01/2019	Fri	50.1			39.8	0.0	0.0	0.0	39.8	0.07	0.09	0.00	65.4	122.5	7.6	1.79	1.79	1.79	0.049																						
03/02/2019	Sat	65.2			39.4	0.0	0.0	0.0	39.4	0.07	0.10	0.00	64.0	129.7	7.6	1.79	1.79	1.79	0.049																						
03/03/2019	Sun	53.1			50.8	0.0	0.0	0.0	50.8	0.10	0.16	0.00	65.7	125.3	7.6	1.79	1.79	1.79	0.049																						
03/04/2019	Mon	60.2	258	549	51.6	0.0	0.0	0.0	51.6	0.10	0.17	0.00	64.5	151.6	7.6	1.79	1.79	1.79	0.049	1.9	99.7	1.0	99.6	0.3	0.2	0.13	0.09	0.33	0.24	0.67										
03/05/2019	Tue	69.8			51.5	0.0	0.0	0.0	51.5	0.10	0.17	0.00	63.8	136.4	7.6	1.79	1.79	1.79	0.049															4.9	0.1	1,084	327	234	0.45	0.19		
03/06/2019	Wed	89.3			52.0	0.0	0.0	0.0	52.0	0.10	0.16	0.00	64.4	128.8	7.6	1.79	1.79	1.79	0.049																						
03/07/2019	Thu	77.2			51.5	0.0	0.0	0.0	51.5	0.09	0.14	0.00	60.9	137.0	7.1	1.79	1.79	1.79	0.049																						
03/08/2019	Fri	62.1			51.9	0.0	0.0	0.0	51.9	0.09	0.12	0.00	68.5	147.1	7.6	1.79	1.79	1.79	0.049																						
03/09/2019	Sat	61.9			52.2	0.0	0.0	0.0	52.2	0.10	0.13	0.00	69.2	150.6	7.7	1.79	1.79	1.79	0.049																						
03/10/2019	Sun	56.4			52.2	0.0	0.0	0.0	52.2	0.10	0.14	0.00	68.0	135.1	7.7	1.79	1.79	1.79	0.049																						
03/11/2019	Mon	61.6	167	418	51.9	0.0	0.0	0.0	51.9	0.10	0.21	0.05	67.5	138.1	8.1	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.5	2.7	2.6	0.06	0.09	0.47	0.38	3.17										
03/12/2019	Tue	55.8			52.0	0.0	0.0	0.0	52.0	0.09	0.13	0.00	67.3	136.6	6.7	1.79	1.79	1.79	0.049																						
03/13/2019	Wed	58.6			52.1	0.0	0.0	0.0	52.1	0.09	0.14	0.00	67.2	133.6	7.7	1.79	1.79	1.79	0.049																						
03/14/2019	Thu	61.3			52.1	0.0	0.0	0.0	52.1	0.10	0.15	0.00	68.2	140.7	7.4	1.79	1.79	1.79	0.049																						
03/15/2019	Fri	61.3			52.3	0.0	0.0	0.0	52.3	0.10	0.16	0.00	66.0	134.6	7.7	1.79	1.79	1.79	0.049																						
03/16/2019	Sat	65.3			51.9	0.0	0.0	0.0	51.9	0.10	0.20	0.05	64.1	134.5	7.5	1.79	1.79	1.79	0.049																						
03/17/2019	Sun	60.9			52.0	0.0	0.0	0.0	52.0	0.10	0.28	0.41	64.7	133.0	7.6	1.79	1.79	1.79	0.049																						
03/18/2019	Mon	58.5	153	445	52.4	0.0	0.0	0.0	52.4	0.10	0.36	0.76	64.3	134.1	7.5	1.79	1.79	1.79	0.049																						
03/19/2019	Tue	56.7			51.9	0.0	0.0	0.0	51.9	0.09	0.31	0.31	64.3	131.5	7.5	1.79	1.79	1.79	0.049																						
03/20/2019	Wed	70.3			41.3	0.0	0.0	41.3	0.0	0.09	0.29	0.56	64.1	134.9	7.5	1.79	1.79	1.79	0.049																						
03/21/2019	Thu	55.2			45.5	0.0	0.0	45.5	0.0	0.09	0.18	0.00	65.1	118.5	6.3	1.79	1.79	1.79	0.049																						
03/22/2019	Fri	59.3	98	377	65.6	0.0	0.0	65.6	0.0	0.09	0.25	0.20	64.4	114.6	7.6	1.79	1.79	1.79	0.049	2.0	99.5	1.0	99.0	1.0	1.0	0.02	0.56	1.32	0.76	2.36										
03/23/2019	Sat	60.3			65.4	0.0	0.0	65.4	0.0	0.09	0.38	0.76	63.2	103.5	7.5	1.79	1.79	1.79	0.049																						
03/24/2019	Sun	58.5			65.6	0.0	0.0	65.6	0.0	0.10	0.48	0.97	62.6	100.4	7.5	1.79	1.79	1.79	0.049																						
03/25/2019	Mon	78.1			65.6	0.0	0.0	65.6	0.0	0.09	0.38	0.25	64.3	96.2	7.5	1.79	1.79	1.79	0.049																						
03/26/2019	Tue	53.7			65.6	0.0	0.0	65.6	0.0	0.08	0.37	0.46	66.1	113.5	7.5	1.79	1.79	1.79	0.049																						
03/27/2019	Wed	53.6			65.7	0.0	0.0	65.7	0.0	0.08	0.35	0.20	65.0	99.8	7.0	1.79	1.79	1.79	0.049																						
03/28/2019	Thu	62.2			65.8	0.0	0.0	65.8	0.0	0.08	0.33	0.41	64.7	127.2	7.7	1.79	1.79	1.79	0.049																						
03/29/2019	Fri	55.4	216	360	65.9	0.0	0.0	65.9	0.0	0.08	0.19	0.00	64.3	94.7	7.5	1.79	1.79	1.79	0.049	2.0	99.4	0.9	99.6	1.3	1.3	0.02	0.09	0.82	0.73	2.13										
03/30/2019	Sat	61.2			66.0	0.0	0.0	66.0	0.0	0.09	0.24	0.15	64.8	103.3	7.4	1.79	1.79	1.79	0.049																						
03/31/2019	Sun	61.4			66.1	0.0	0.0	66.1	0.0	0.09	0.43	0.41	64.4	95.9	7.5	1.79	1.79	1.79	0.049																						
TOTAL		1,853			1,640	0	0	678	962																																
MAX		89.3	258	549	66.0	0.0	0.0	66.0	52.4	0.10	0.48	0.97	69.2	151.6	8.1	1.79	1.79	1.79	0.049	2.0	99.7	1.0	99.6	2.7	2.6	0.13	0.56	1.32	0.76	3.17	4.9	0.1	1,084	327	234	0.45	0.19		
AVG		61.8	178	430	54.7	0.0	0.0	22.6	32.1	0.09	0.23	0.19	65.2	126.2	7.5	1.79	1.79	1.79	0.049	2.0	99.5	1.0	99.4	1.3	1.3	0.06	0.21	0.74	0.53	2.08	4.9	0.1	1,084	327	234	0.45	0.19		
MIN		50.1	98	360	39.4	0.0	0.0	0.0	0.0	0.07	0.09	0.00	60.9	94.7	6.3	1.8	1.8	1.8	0.049	1.9	99.4	0.9	99.0	0.3	0.2	0.02	0.09	0.33	0.24	0.67	4.9	0.1	1,084	327	234	0.45	0.19		

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																		
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY								
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS		
	Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5		
	Limit 2														8.5	23	7 day			30		40								15								
	Limit 3															240	med			45		45																
04/01/2019	Mon	55.5			49.4	0.0	0.0	49.4	0.0	0.08	0.40	0.66	63.8	101.5	7.5	1.79	1.79	1.79	0.049																				
04/02/2019	Tue	56.1			49.1	0.0	0.0	49.1	0.0	0.07	0.47	0.51	63.6	102.7	7.0	1.79	1.79	1.79	0.049																				
04/03/2019	Wed	52.8	155	443	49.2	0.0	0.0	49.2	0.0	0.07	0.42	0.92	63.4	106.4	7.4	1.79	1.79	1.79	0.049	2.0	99.5	0.9	99.4	0.0	0.0	0.02	0.14	1.34	1.20	1.39								
04/04/2019	Thu	56.9			48.8	0.0	0.0	48.8	0.0	0.08	0.50	0.71	63.2	104.2	7.5	1.79	1.79	1.79	0.049														4.9	0.1	1,120	268	274	0.43	0.19		
04/05/2019	Fri	57.4			48.6	0.0	0.0	48.6	0.0	0.09	0.48	1.78	62.2	107.1	7.4	1.79	1.79	1.79	0.049																				
04/06/2019	Sat	113.1			48.7	0.0	0.0	48.7	0.0	0.10	0.37	0.51	63.5	105.6	7.4	1.79	1.79	1.79	0.049																				
04/07/2019	Sun	55.9			58.2	0.0	0.0	58.2	0.0	0.10	0.11	0.00	66.0	107.2	7.4	1.79	1.79	1.79	0.049																				
04/08/2019	Mon	53.6			48.9	0.0	0.0	48.9	0.0	0.13	0.49	0.97	65.3	109.2	7.4	1.79	1.79	1.79	0.049																				
04/09/2019	Tue	53.4	124	360	49.0	0.0	0.0	49.0	0.0	0.13	0.45	1.53	66.0	95.3	7.4	1.79	1.79	1.79	0.049	2.0	99.4	1.0	99.2	0.2	0.2	0.02	0.09	0.95	0.86	1.15								
04/10/2019	Wed	67.6			48.4	0.0	0.0	48.4	0.0	0.12	0.47	0.82	65.8	111.1	7.8	1.79	1.79	1.79	0.049																				
04/11/2019	Thu	52.1			59.4	0.0	0.0	59.4	0.0	0.13	0.48	1.58	66.3	109.0	7.5	1.79	1.79	1.79	0.049																				
04/12/2019	Fri	68.0			50.1	0.0	0.0	50.1	0.0	0.15	0.36	0.97	65.8	110.5	7.6	1.79	1.79	1.79	0.049																				
04/13/2019	Sat	56.3			49.1	0.0	0.0	49.1	0.0	0.13	0.43	0.61	66.3	102.9	7.5	1.79	1.79	1.79	0.049																				
04/14/2019	Sun	55.2			48.8	0.0	0.0	48.8	0.0	0.13	0.47	1.53	64.9	99.1	7.7	1.79	1.79	1.79	0.049																				
04/15/2019	Mon	53.7			49.4	0.0	0.0	49.4	0.0	0.13	0.38	1.17	64.0	93.2	7.4	1.79	1.79	1.79	0.049																				
04/16/2019	Tue	55.4	271	420	49.5	0.0	0.0	49.5	0.0	0.13	0.45	1.27	64.1	94.8	7.5	1.79	1.79	1.79	0.049	1.9	99.5	1.0	99.6	0.5	0.5	0.02	0.10	1.07	0.97	1.57								
04/17/2019	Wed	55.8			49.4	0.0	0.0	49.4	0.0	0.13	0.48	1.43	64.7	111.6	7.3	1.79	1.79	1.79	0.049																				
04/18/2019	Thu	57.5			49.5	0.0	0.0	49.5	0.0	0.14	0.14	0.00	64.1	95.0	7.5	1.79	1.79	1.79	0.049																				
04/19/2019	Fri	60.0			49.4	0.0	0.0	49.4	0.0	0.14	0.37	0.82	63.8	104.2	7.4	1.79	1.79	1.79	0.049																				
04/20/2019	Sat	58.5			49.5	0.0	0.0	49.5	0.0	0.17	0.40	1.68	63.6	105.0	7.5	1.79	1.79	1.79	0.049																				
04/21/2019	Sun	48.9			49.4	0.0	0.0	49.4	0.0	0.17	0.48	0.76	63.0	95.6	7.5	1.79	1.79	1.79	0.049																				
04/22/2019	Mon	69.5			49.4	0.0	0.0	49.4	0.0	0.16	0.18	0.00	63.0	107.6	7.6	1.79	1.79	1.79	0.049																				
04/23/2019	Tue	58.7	248	420	57.7	0.0	0.0	57.7	0.0	0.15	0.45	0.76	63.9	108.9	7.5	1.79	1.79	1.79	0.049	3.0	99.3	1.0	99.6	0.8	0.8	0.02	0.15	0.99	0.84	1.84								
04/24/2019	Wed	55.3			55.1	0.0	0.0	55.1	0.0	0.16	0.21	0.20	62.3	113.2	7.4	1.79	1.79	1.79	0.049																				
04/25/2019	Thu	58.0			36.5	0.0	0.0	36.5	0.0	0.17	0.26	0.31	63.5	120.1	7.9	1.79	1.79	1.79	0.049																				
04/26/2019	Fri	54.3			49.1	0.0	0.0	49.1	0.0	0.18	0.19	0.00	68.3	121.1	7.5	1.79	1.79	1.79	0.049																				
04/27/2019	Sat	51.9			49.2	0.0	0.0	49.2	0.0	0.18	0.30	1.07	64.1	123.4	7.4	1.79	1.79	1.79	0.049																				
04/28/2019	Sun	49.1			49.1	0.0	0.0	49.1	0.0	0.18	0.34	1.63	62.5	125.7	7.4	1.79	1.79	1.79	0.049																				
04/29/2019	Mon	55.9	212	318	49.2	0.0	0.0	49.2	0.0	0.16	0.21	0.20	62.6	129.6	7.5	1.79	1.79	1.79	0.049																				
04/30/2019	Tue	55.0			49.2	0.0	0.0	49.2	0.0	0.15	0.17	0.00	63.3	124.7	7.4	1.79	1.79	1.79	0.049	1.9	99.4	0.9	99.6	2.2	2.2	0.02	0.35	1.61	1.26	3.81								
	TOTAL	1,751			1,496	0	0	1,496	0																														
	MAX	113.1	271	443	59.4	0.0	0.0	59.4	0.0	0.18	0.50	1.78	68.3	129.6	7.9	1.79	1.79	1.79	0.049	3.0	99.5	1.0	99.6	2.2	2.2	0.02	0.35	1.61	1.26	3.81	4.9	0.1	1,120	268	274	0.43	0.19		
	AVG	58.4	202	392	49.9	0.0	0.0	49.9	0.0	0.13	0.36	0.81	64.2	108.2	7.5	1.79	1.79	1.79	0.049	2.2	99.4	1.0	99.5	0.8	0.7	0.02	0.17	1.19	1.03	1.95	4.9	0.1	1,120	268	274	0.43	0.19		
	MIN	48.9	124	318	36.5	0.0	0.0	36.5	0.0	0.07	0.11	0.00	62.2	93.2	7.0	1.79	1.79	1.79	0.049	1.9	99.3	0.9	99.2	0.0	0.0	0.02	0.09	0.95	0.84	1.15	4.9	0.1	1,120	268	274	0.43	0.19		

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY															WEEKLY										MONTHLY								
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
	Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
	Limit 2														8.5	23	7 day			30		40									15							
	Limit 3															240	med			45		45																
05/01/2019	Wed	56.4			49.2	0.0	0.0	49.2	0.0	0.14	0.18	0.00	63.8	128.4	7.1	1.8	1.79	1.8	0.049											4.9	0.2	1,064	227	287	0.51	0.19
05/02/2019	Thu	57.0			49.2	0.0	0.0	49.2	0.0	0.15	0.16	0.00	63.6	127.7	7.4	1.8	1.79	1.8	0.049																		
05/03/2019	Fri	55.7			49.2	0.0	0.0	49.2	0.0	0.15	0.21	0.10	63.7	123.5	7.4	1.8	1.79	1.8	0.049																		
05/04/2019	Sat	55.4			49.2	0.0	0.0	49.2	0.0	0.14	0.18	0.00	64.3	132.4	7.5	1.8	1.79	1.8	0.049																		
05/05/2019	Sun	46.9			49.3	0.0	0.0	49.3	0.0	0.15	0.22	0.31	64.5	143.5	7.4	1.8	1.79	1.8	0.049																		
05/06/2019	Mon	52.3			49.2	0.0	0.0	49.2	0.0	0.14	0.17	0.00	63.9	132.8	7.3	1.8	1.79	1.8	0.049																		
05/07/2019	Tue	57.9	159	385	49.3	0.0	0.0	49.3	0.0	0.12	0.16	0.00	63.7	128.9	7.6	1.8	1.79	1.8	0.049	2.0	99.5	0.9	99.4	2.7	2.6	0.04	0.12	1.26	1.14	3.93							
05/08/2019	Wed	56.9			49.3	0.0	0.0	49.3	0.0	0.12	0.16	0.00	64.4	124.7	7.8	1.8	1.79	1.8	0.049																		
05/09/2019	Thu	56.7			49.4	0.0	0.0	49.4	0.0	0.13	0.33	0.10	65.9	120.3	7.7	1.8	1.79	1.8	0.049																		
05/10/2019	Fri	54.1			49.3	0.0	0.0	49.3	0.0	0.15	0.22	0.20	66.2	133.3	8.0	1.8	1.79	1.8	0.049																		
05/11/2019	Sat	59.1			49.3	0.0	0.0	49.3	0.0	0.14	0.25	0.31	66.0	134.6	7.4	1.8	1.79	1.8	0.049																		
05/12/2019	Sun	57.8			49.3	0.0	0.0	49.3	0.0	0.15	0.36	0.46	65.7	131.2	7.2	1.8	1.79	1.8	0.049																		
05/13/2019	Mon	66.1			49.3	0.0	0.0	49.3	0.0	0.14	0.16	0.00	65.2	123.1	7.4	1.8	1.79	1.8	0.049																		
05/14/2019	Tue	66.1			49.3	0.0	0.0	49.3	0.0	0.14	0.26	0.25	65.3	127.4	7.6	1.8	1.79	1.8	0.049																		
05/15/2019	Wed	75.2	191	299	49.3	0.0	0.0	49.3	0.0	0.13	0.15	0.00	65.9	103.7	7.6	1.8	1.79	1.8	0.049	4.0	98.7	0.9	99.5	2.9	2.8	0.04	0.09	1.10	1.01	3.96							
05/16/2019	Thu	68.6			49.3	0.0	0.0	49.3	0.0	0.13	0.27	0.25	66.4	102.8	7.3	1.8	1.79	1.8	0.049																		
05/17/2019	Fri	53.3			49.2	0.0	0.0	49.2	0.0	0.14	0.19	0.00	65.9	126.9	7.0	1.8	1.79	1.8	0.049																		
05/18/2019	Sat	56.9			49.3	0.0	0.0	49.3	0.0	0.13	0.20	0.00	65.9	136.6	7.4	1.8	1.79	1.8	0.049																		
05/19/2019	Sun	69.6			49.2	0.0	0.0	49.2	0.0	0.12	0.20	0.00	65.4	119.5	7.4	1.8	1.79	1.8	0.049																		
05/20/2019	Mon	58.5			49.2	0.0	0.0	49.2	0.0	0.10	0.19	0.00	66.3	144.0	7.4	1.8	1.79	1.8	0.049																		
05/21/2019	Tue	50.3			49.3	0.0	0.0	49.3	0.0	0.08	0.17	0.00	66.5	151.8	7.5	1.8	1.79	1.8	0.049																		
05/22/2019	Wed	51.9	212	340	49.3	0.0	0.0	49.3	0.0	0.07	0.11	0.00	66.4	151.3	7.6	1.8	1.79	1.8	0.049	1.9	99.4	0.9	99.6	4.2	4.2	0.06	0.09	0.77	0.68	5.01							
05/23/2019	Thu	51.2			49.2	0.0	0.0	49.2	0.0	0.07	0.11	0.00	65.8	154.2	7.4	1.8	1.79	1.8	0.049																		
05/24/2019	Fri	52.6			49.3	0.0	0.0	49.3	0.0	0.16	0.21	0.20	62.3	113.2	7.4	1.8	1.79	1.8	0.049																		
05/25/2019	Sat	56.5			49.3	0.0	0.0	49.3	0.0	0.07	0.14	0.00	65.8	149.4	7.5	1.8	1.79	1.8	0.049																		
05/26/2019	Sun	48.3			49.3	0.0	0.0	49.3	0.0	0.08	0.19	0.00	66.0	147.6	7.5	1.8	1.79	1.8	0.049																		
05/27/2019	Mon	53.9			49.3	0.0	0.0	49.3	0.0	0.08	0.09	0.00	65.8	146.0	7.4	1.8	1.79	1.8	0.049																		
05/28/2019	Tue	50.7			49.3	0.0	0.0	49.3	0.0	0.07	0.18	0.00	65.6	145.2	7.3	1.8	1.79	1.8	0.049																		
05/29/2019	Wed	54.3	312	601	49.4	0.0	0.0	49.4	0.0	0.08	0.15	0.00	65.4	140.3	7.4	1.8	1.79	1.8	0.049	2.0	99.7	0.9	99.7	2.5	2.5	0.02	0.09	1.18	1.09	3.67							
05/30/2019	Thu	55.1			49.4	0.0	0.0	49.4	0.0	0.09	0.14	0.00	64.5	134.8	7.4	1.8	1.79	1.8	0.049																		
05/31/2019	Fri	52.2			49.3	0.0	0.0	49.3	0.0	0.10	0.15	0.00	64.4	134.1	7.3	1.8	1.79	1.8	0.049																		
	TOTAL	1,705			1,478	0	0	1,478	0																													
	MAX	75.2	312	601	49.4	0.0	0.0	49.4	0.0	0.16	0.36	0.46	66.5	154.2	8.0	1.8	1.79	1.8	0.049	4.0	99.7	0.9	99.7	4.2	4.2	0.06	0.12	1.26	1.14	5.01	4.9	0.2	1,064	227	287	0.51	0.19
	AVG	56.8	219	406	49.3	0.0	0.0	49.3	0.0	0.12	0.19	0.07	65.2	132.6	7.4	1.8	1.79	1.8	0.049	2.5	99.3	0.9	99.6	3.1	3.0	0.04	0.10	1.08	0.98	4.14	4.9	0.2	1,064	227	287	0.51	0.19
	MIN	46.9	159	299	49.2	0.0	0.0	49.2	0.0	0.07	0.09	0.00	62.3	102.8	7.0	1.8	1.79	1.8	0.049	1.9	98.7	0.9	99.4	2.5	2.5	0.02	0.09	0.77	0.68	3.67	4.9	0.2	1,064	227	287	0.51	0.19

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																			
		DAILY	WEEKLY		DAILY																WEEKLY											MONTHLY								
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS			
	Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5			
	Limit 2														8.5	23	7 day			30		40									15									
	Limit 3															240	med			45		45																		
06/01/2019	Sat	52.7			50.1	0.0	0.0	50.1	0.0	0.11	0.20	0.00	64.1	138.0	7.4	1.79	1.79	1.79	0.049																						
06/02/2019	Sun	49.0			49.5	0.0	0.0	49.5	0.0	0.10	0.15	0.00	63.6	132.9	7.5	1.79	1.79	1.79	0.049																						
06/03/2019	Mon	48.1			49.5	0.0	0.0	49.5	0.0	0.10	0.20	0.00	63.2	135.4	6.9	1.79	1.79	1.79	0.049																						
06/04/2019	Tue	49.5			49.5	0.0	0.0	49.5	0.0	0.10	0.12	0.00	62.7	135.7	7.3	1.79	1.79	1.79	0.049																						
06/05/2019	Wed	52.7	263	349	49.6	0.0	0.0	49.6	0.0	0.10	0.34	0.05	62.6	139.5	7.5	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.7	3.0	3.0	0.02	0.09	1.37	1.28	4.42	4.9	3.0	992	195	252	0.44	0.19			
06/06/2019	Thu	54.0			49.6	0.0	0.0	49.6	0.0	0.10	0.19	0.00	63.7	136.5	7.6	1.79	1.79	1.79	0.049																						
06/07/2019	Fri	57.2			49.6	0.0	0.0	49.6	0.0	0.10	0.15	0.00	64.1	132.9	7.6	1.79	1.79	1.79	0.049																						
06/08/2019	Sat	59.0			49.6	0.0	0.0	49.6	0.0	0.10	0.17	0.00	64.3	131.4	7.6	1.79	1.79	1.79	0.049																						
06/09/2019	Sun	59.1			49.6	0.0	0.0	49.6	0.0	0.10	0.15	0.00	64.3	126.0	7.0	1.79	1.79	1.79	0.049																						
06/10/2019	Mon	57.8			49.7	0.0	0.0	49.7	0.0	0.10	0.11	0.00	66.0	133.2	7.3	1.79	1.79	1.79	0.049																						
06/11/2019	Tue	56.2	326	409	50.3	0.0	0.0	50.3	0.0	0.10	0.28	0.25	66.3	134.5	7.4	1.79	1.79	1.79	0.049																						
06/12/2019	Wed	56.8			51.2	0.0	0.0	51.2	0.0	0.10	0.14	0.00	67.6	140.2	7.5	1.79	1.79	1.79	0.049	3.0	99.3	1.0	99.7	2.6	2.6	0.02	0.09	0.92	0.83	3.57										
06/13/2019	Thu	59.2			51.1	0.0	0.0	51.1	0.0	0.11	0.17	0.00	67.4	132.3	7.5	1.79	1.79	1.79	0.049																						
06/14/2019	Fri	59.0			51.0	0.0	0.0	51.0	0.0	0.10	0.15	0.00	66.4	126.3	7.5	1.79	1.79	1.79	0.049																						
06/15/2019	Sat	58.9			52.1	0.0	0.0	52.1	0.0	0.10	0.17	0.00	66.5	126.4	7.4	1.79	1.79	1.79	0.049																						
06/16/2019	Sun	60.4			54.0	0.0	0.0	54.0	0.0	0.11	0.16	0.00	66.2	122.0	7.2	1.79	1.79	1.79	0.049																						
06/17/2019	Mon	57.5			53.9	0.0	0.0	53.9	0.0	0.11	0.20	0.10	66.4	124.6	7.5	1.79	1.79	1.79	0.049																						
06/18/2019	Tue	57.6			54.7	0.0	0.0	54.7	0.0	0.12	0.30	0.36	67.0	126.5	7.4	1.79	1.79	1.79	0.049																						
06/19/2019	Wed	57.2	313	422	61.8	0.0	0.0	55.9	5.9	0.13	0.17	0.00	66.8	128.7	7.4	1.79	1.79	1.79	0.049	1.9	99.5	1.0	99.7	2.3	2.3	0.02	0.09	0.87	0.78	3.21										
06/20/2019	Thu	77.1			71.4	0.0	0.0	35.9	35.5	0.14	0.24	0.20	66.5	111.0	7.3	1.79	1.79	1.79	0.049																						
06/21/2019	Fri	64.4			89.7	0.0	0.0	53.4	36.3	0.14	0.20	0.00	68.9	113.5	7.8	1.79	1.79	1.79	0.049																						
06/22/2019	Sat	64.1			37.8	0.0	0.0	37.8	0.0	0.14	0.24	0.41	69.3	117.0	7.3	1.79	1.79	1.79	0.049																						
06/23/2019	Sun	62.4			40.5	0.0	0.0	40.5	0.0	0.14	0.20	0.10	68.1	112.3	7.5	1.79	1.79	1.79	0.049																						
06/24/2019	Mon	60.8			51.2	0.0	0.0	51.2	0.0	0.14	0.15	0.00	67.5	108.2	7.2	1.79	1.79	1.79	0.049																						
06/25/2019	Tue	59.9	140	315	51.2	0.0	0.0	51.2	0.0	0.14	0.42	1.78	67.2	105.1	7.4	1.79	1.79	1.79	0.049																						
06/26/2019	Wed	62.1			52.4	0.0	0.0	52.4	0.0	0.13	0.19	0.00	67.1	102.4	7.8	1.79	1.79	1.79	0.049			2.0																			
06/27/2019	Thu	60.6			54.1	0.0	0.0	54.1	0.0	0.13	0.23	0.20	66.6	104.1	7.4	1.79	1.79	1.79	0.049	1.9	99.4		98.6	2.9	2.9	0.04	0.26	0.93	0.67	3.87										
06/28/2019	Fri	62.7			55.2	0.0	0.0	55.2	0.0	0.13	0.46	0.51	66.6	105.3	7.2	1.79	1.79	1.79	0.049																						
06/29/2019	Sat	66.6			55.8	0.0	0.0	55.8	0.0	0.13	0.22	0.10	66.4	95.9	7.5	1.79	1.79	1.79	0.049																						
06/30/2019	Sun	76.8			45.9	0.0	0.0	20.4	25.5	0.13	0.25	0.31	66.3	88.1	7.5	1.79	1.79	1.79	0.049																						
	TOTAL	1,779			1,582	0	0	1,478	103																																
	MAX	77.1	326	422	89.7	0.0	0.0	55.9	36.3	0.14	0.46	1.78	69.3	140.2	7.8	1.79	1.79	1.79	0.049	3.0	99.5	2.0	99.7	3.0	3.0	0.04	0.26	1.37	1.28	4.42	4.9	3.0	992	195	252	0.44	0.19			
	AVG	59.3	261	374	52.7	0.0	0.0	49.3	3.4	0.12	0.21	0.15	66.0	122.2	7.4	1.79	1.79	1.79	0.049	2.2	99.4	1.2	99.4	2.7	2.7	0.02	0.13	1.02	0.89	3.77	4.9	3.0	992	195	252	0.44	0.19			
	MIN	48.1	140	315	37.8	0.0	0.0	20.4	0.0	0.10	0.11	0.00	62.6	88.1	6.9	1.79	1.79	1.79	0.049	1.9	99.3	0.9	98.6	2.3	2.3	0.02	0.09	0.87	0.67	3.21	4.9	3.0	992	195	252	0.44	0.19			

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																			
		DAILY	WEEKLY		DAILY															WEEKLY										MONTHLY										
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
	Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
	Limit 2														8.5	23	7 day			30		40								15							
	Limit 3															240	med			45		45															
07/01/2019	Mon	59.1			48.8	0.0	0.0	48.8	0.0	0.12	0.16	0.00	67.5	99.8	7.1	1.79	1.79	1.79	0.049																			
07/02/2019	Tue	59.1	168	49	69.2	0.0	0.0	69.2	0.0	0.12	0.49	0.15	67.7	104.2	7.3	1.79	1.79	1.79	0.049																			
07/03/2019	Wed	64.0			63.1	0.0	0.0	63.1	0.0	0.12	0.17	0.00	66.1	96.8	7.5	1.79	1.79	1.79	0.049	3.0	93.9	0.9	99.5	4.2	4.2	0.02	0.68	1.01	0.33	5.24	4.9	2.9	980	162	281	0.42	0.02
07/04/2019	Thu	56.1			57.9	0.0	0.0	57.9	0.0	0.14	0.31	0.36	66.0	100.4	7.3	1.79	1.79	1.79	0.049																			
07/05/2019	Fri	69.8			58.5	0.0	0.0	58.5	0.0	0.14	0.19	0.00	66.1	97.2	7.5	1.79	1.79	1.79	0.049																			
07/06/2019	Sat	70.8			60.4	0.0	0.0	60.4	0.0	0.13	0.26	0.25	66.3	90.7	7.3	1.79	1.79	1.79	0.049																			
07/07/2019	Sun	68.6			64.1	0.0	0.0	64.1	0.0	0.12	0.22	0.15	67.5	100.9	7.5	1.79	1.79	1.79	0.049																			
07/08/2019	Mon	65.7			63.9	0.0	0.0	63.9	0.0	0.12	0.13	0.00	67.8	97.3	7.3	1.79	1.79	1.79	0.049																			
07/09/2019	Tue	65.8	282	43	64.9	0.0	0.0	64.9	0.0	0.12	0.49	0.76	67.4	96.2	7.4	1.79	1.79	1.79	0.049																			
07/10/2019	Wed	89.9			64.0	0.0	0.0	64.0	0.0	0.12	0.16	0.00	67.0	89.9	7.6	1.79	1.79	1.79	0.049	1.9	95.6	0.9	99.7	1.9	1.9	0.03	0.50	0.54	0.04	2.46									
07/11/2019	Thu	68.1			63.0	0.0	0.0	63.0	0.0	0.12	0.21	0.15	68.0	91.3	7.6	1.79	1.79	1.79	0.049																			
07/12/2019	Fri	73.5			51.5	0.0	0.0	51.5	0.0	0.13	0.16	0.00	67.8	88.8	7.5	1.79	1.79	1.79	0.049																			
07/13/2019	Sat	77.6			61.5	0.0	0.0	61.5	0.0	0.14	0.28	0.31	68.7	92.4	7.6	1.79	1.79	1.79	0.049																			
07/14/2019	Sun	76.1			53.8	0.0	0.0	53.8	0.0	0.13	0.27	0.25	69.2	93.7	7.6	1.79	1.79	1.79	0.049																			
07/15/2019	Mon	70.6			67.9	0.0	0.0	67.9	0.0	0.11	0.12	0.00	69.2	97.5	7.0	1.79	1.79	1.79	0.049																			
07/16/2019	Tue	71.5	232	447	79.9	0.0	0.0	79.9	0.0	0.11	0.44	0.61	68.7	112.4	7.5	1.79	1.79	1.79	0.049																			
07/17/2019	Wed	87.7			79.5	0.0	0.0	79.5	0.0	0.11	0.23	0.20	68.3	118.8	7.7	1.79	1.79	1.79	0.049	2.0	99.6	0.9	99.6	1.1	1.0	0.05	0.09	0.48	0.39	1.56									
07/18/2019	Thu	65.9			76.8	0.0	0.0	76.8	0.0	0.11	0.28	0.31	68.5	121.9	7.6	1.79	1.79	1.79	0.049																			
07/19/2019	Fri	73.9			80.1	0.0	0.0	80.1	0.0	0.11	0.20	0.05	68.4	117.4	7.6	1.79	1.79	1.79	0.049																			
07/20/2019	Sat	74.2			80.0	0.0	0.0	80.0	0.0	0.12	0.27	0.31	69.4	122.3	7.5	1.79	1.79	1.79	0.049																			
07/21/2019	Sun	76.0			66.9	0.0	0.0	66.9	0.0	0.12	0.22	0.10	69.5	123.3	7.5	1.79	1.79	1.79	0.049																			
07/22/2019	Mon	77.6			73.4	0.0	0.0	73.4	0.0	0.12	0.13	0.00	69.3	124.4	7.4	1.79	1.79	1.79	0.049																			
07/23/2019	Tue	70.2			70.2	0.0	0.0	70.2	0.0	0.11	0.37	0.36	69.3	120.8	7.5	1.79	1.79	1.79	0.049																			
07/24/2019	Wed	70.7	85	332	76.7	0.0	0.0	76.7	0.0	0.11	0.29	0.15	69.0	131.9	7.5	1.79	1.79	1.79	0.049	1.9	99.4	0.9	98.9	0.2	0.1	0.09	0.36	2.10	1.74	2.30								
07/25/2019	Thu	70.9			70.6	0.0	0.0	70.6	0.0	0.12	0.30	0.36	69.0	131.6	7.5	1.79	1.79	1.79	0.049																			
07/26/2019	Fri	87.2			74.5	0.0	0.0	74.5	0.0	0.12	0.23	0.20	68.9	121.5	7.5	1.79	1.79	1.79	0.049																			
07/27/2019	Sat	77.6			59.9	0.0	0.0	59.9	0.0	0.10	0.24	0.20	68.3	119.1	7.6	1.79	1.79	1.79	0.049																			
07/28/2019	Sun	75.9			72.1	0.0	0.0	72.1	0.0	0.10	0.16	0.00	68.1	106.9	7.5	1.79	1.79	1.79	0.049																			
07/29/2019	Mon	78.0			73.4	0.0	0.0	73.4	0.0	0.10	0.23	0.10	67.2	114.9	7.5	1.79	1.79	1.79	0.049																			
07/30/2019	Tue	74.3	186	382	73.1	0.0	0.0	73.1	0.0	0.09	0.17	0.00	67.1	116.0	7.5	1.79	1.79	1.79	0.049																			
07/31/2019	Wed	74.6			72.4	0.0	0.0	72.4	0.0	0.09	0.16	0.00	67.2	115.4	7.5	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.5	1.1	1.0	0.10	0.20	0.77	0.57	1.90									
	TOTAL	2,166			2,092	0	0	2,019	0																															
	MAX	89.9	282	447	80.1	0.0	0.0	80.1	0.0	0.14	0.49	0.76	69.5	131.9	7.7	1.79	1.79	1.79	0.049	3.0	99.6	0.9	99.7	4.2	4.2	0.10	0.68	2.10	1.74	5.24	4.9	2.9	980	162	281	0.42	0.02
	AVG	72.2	191	251	67.5	0.0	0.0	67.5	0.0	0.12	0.24	0.17	68.0	108.3	7.5	1.79	1.79	1.79	0.049	2.1	97.6	0.9	99.4	1.7	1.7	0.06	0.37	0.98	0.61	2.69	4.9	2.9	980	162	281	0.42	0.02
	MIN	56.1	85	43	48.8	0.0	0.0	48.8	0.0	0.09	0.12	0.00	66.0	88.8	7.0	1.79	1.79	1.79	0.049	1.9	93.9	0.9	98.9	0.2	0.1	0.02	0.09	0.48	0.04	1.56	4.9	2.9	980	162	281	0.42	0.02

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																		
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY								
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
	Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
	Limit 2														8.5	23	7 day			30		40								15							
	Limit 3															240	med			45		45															
08/01/2019	Thu	69.7			72.2	0.0	0.0	72.2	0.0	0.09	0.16	0.00	67.5	118.7	7.5	1.79	1.79	1.79	0.049																			
08/02/2019	Fri	71.4			71.3	0.0	0.0	71.3	0.0	0.10	0.16	0.00	67.3	122.1	7.5	1.79	1.79	1.79	0.049											4.9	0.1	892	168	250	0.36	0.19
08/03/2019	Sat	76.2			71.2	0.0	0.0	71.2	0.0	0.19	0.42	0.20	66.7	123.3	7.6	1.79	1.79	1.79	0.049																			
08/04/2019	Sun	73.7			71.3	0.0	0.0	71.3	0.0	0.16	0.18	0.00	65.4	109.8	7.7	1.79	1.79	1.79	0.049																			
08/05/2019	Mon	93.8			71.3	0.0	0.0	71.3	0.0	0.14	0.41	0.87	65.3	111.2	7.6	1.79	1.79	1.79	0.049																			
08/06/2019	Tue	121.4	128	266	71.6	0.0	0.0	71.6	0.0	0.11	0.22	0.05	66.8	97.3	7.3	1.79	1.79	1.79	0.049	2.0	99.2	0.9	99.3	0.9	0.8	0.02	0.25	1.72	1.47	2.58							
08/07/2019	Wed	90.4			109.6	0.0	0.0	109.6	0.0	0.10	0.49	0.61	70.0	109.2	7.6	1.79	1.79	1.79	0.049																			
08/08/2019	Thu	69.0			106.5	0.0	0.0	106.5	0.0	0.13	0.46	0.82	69.6	145.5	7.4	1.79	1.79	1.79	0.049																			
08/09/2019	Fri	91.2			72.7	0.0	0.0	72.7	0.0	0.14	0.42	0.51	66.9	133.1	7.4	1.79	1.79	1.79	0.049																			
08/10/2019	Sat	74.8			71.7	0.0	0.0	71.7	0.0	0.14	0.25	0.31	65.7	109.5	7.5	1.79	1.79	1.79	0.049																			
08/11/2019	Sun	71.1			72.4	0.0	0.0	72.4	0.0	0.14	0.37	0.51	65.5	118.6	7.6	1.79	1.79	1.79	0.049																			
08/12/2019	Mon	71.3			73.7	0.0	0.0	73.7	0.0	0.13	0.36	0.31	65.7	120.1	7.5	1.79	1.79	1.79	0.049																			
08/13/2019	Tue	64.0	215	365	74.2	0.0	0.0	74.2	0.0	0.13	0.25	0.25	67.1	103.7	7.6	1.79	1.79	1.79	0.049																			
08/14/2019	Wed	67.4			72.5	0.0	0.0	72.5	0.0	0.16	0.42	0.51	67.8	98.8	7.5	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.6	0.6	0.6	0.02	0.09	0.73	0.64	1.30							
08/15/2019	Thu	65.0			72.6	0.0	0.0	72.6	0.0	0.15	0.38	1.53	66.8	116.7	7.4	1.79	1.79	1.79	0.049																			
08/16/2019	Fri	68.8			68.4	0.0	0.0	68.4	0.0	0.16	0.25	0.41	67.3	126.3	7.4	1.79	1.79	1.79	0.049																			
08/17/2019	Sat	66.0			54.0	0.0	0.0	54.0	0.0	0.17	0.36	0.61	68.8	127.6	7.6	1.79	1.79	1.79	0.049																			
08/18/2019	Sun	69.4			50.9	0.0	0.0	50.9	0.0	0.14	0.33	0.51	69.2	128.0	7.6	1.79	1.79	1.79	0.049																			
08/19/2019	Mon	65.7			52.7	0.0	0.0	52.7	0.0	0.13	0.15	0.00	68.9	126.1	7.5	1.79	1.79	1.79	0.049																			
08/20/2019	Tue	64.9	242	427	58.7	0.0	0.0	58.7	0.0	0.13	0.31	0.41	69.2	126.7	7.4	1.79	1.79	1.79	0.049																			
08/21/2019	Wed	92.5			66.2	0.0	0.0	66.2	0.0	0.14	0.23	0.20	67.8	102.5	7.4	1.79	1.79	1.79	0.049	1.9	99.6	0.9	99.6	1.3	1.2	0.06	0.09	1.10	1.01	2.38							
08/22/2019	Thu	62.1			63.6	0.0	0.0	63.6	0.0	0.14	0.46	1.12	69.5	122.0	7.4	1.79	1.79	1.79	0.070																			
08/23/2019	Fri	65.8			41.5	0.0	0.0	41.5	0.0	0.16	0.44	0.56	69.3	110.6	7.5	1.79	1.79	1.79	0.049																			
08/24/2019	Sat	71.1			80.8	0.0	0.0	80.8	0.0	0.16	0.42	0.66	69.6	108.3	7.6	1.79	1.79	1.79	0.049																			
08/25/2019	Sun	67.0			66.5	0.0	0.0	66.5	0.0	0.18	0.34	1.22	68.3	97.6	7.4	1.79	1.79	1.79	0.049																			
08/26/2019	Mon	70.9			64.5	0.0	0.0	64.5	0.0	0.18	0.19	0.00	68.6	97.6	7.1	1.79	1.79	1.79	0.049																			
08/27/2019	Tue	74.2	128	268	64.6	0.0	0.0	64.6	0.0	0.02	0.42	1.68	69.2	104.9	7.4	1.79	1.79	1.79	0.049																			
08/28/2019	Wed	71.7			61.9	0.0	0.0	61.9	0.0	0.03	0.22	0.05	68.7	91.3	7.6	1.79	1.79	1.79	0.049	2.0	99.3	0.9	99.3	0.8	0.7	0.07	0.15	0.67	0.52	1.44							
08/29/2019	Thu	70.5			27.6	0.0	0.0	27.6	0.0	0.03	0.14	0.00	69.3	94.9	7.4	1.79	1.79	1.79	0.049																			
08/30/2019	Fri	82.1			16.0	0.0	0.0	16.0	0.0	0.02	0.07	0.00	69.7	96.2	7.5	1.79	1.79	1.79	0.049																			
08/31/2019	Sat	85.8			19.1	0.0	0.0	19.1	0.0	0.02	0.09	0.00	70.2	89.8	7.6	1.79	1.79	1.79	0.049																			
	TOTAL	2,319			2,012	0	0	2,012	0																													
	MAX	121.4	242	427	109.6	0.0	0.0	109.6	0.0	0.19	0.49	1.68	70.2	145.5	7.7	1.79	1.79	1.79	0.070	2.0	99.6	0.9	99.6	1.3	1.2	0.07	0.25	1.72	1.47	2.58	4.9	0.1	892	168	250	0.36	0.19
	AVG	74.8	178	332	64.9	0.0	0.0	64.9	0.0	0.12	0.30	0.45	68.0	112.5	7.5	1.79	1.79	1.79	0.050	2.0	99.4	0.9	99.5	0.9	0.8	0.04	0.15	1.06	0.91	1.92	4.9	0.1	892	168	250	0.36	0.19
	MIN	62.1	128	266	16.0	0.0	0.0	16.0	0.0	0.02	0.07	0.00	65.3	89.8	7.1	1.8	1.8	1.8	0.049	1.9	99.2	0.9	99.3	0.6	0.6	0.02	0.09	0.67	0.52	1.30	4.9	0.1	892	168	250	0.36	0.19

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																			
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY										
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS				
	Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5				
	Limit 2														8.5	23	7 day			30		40								15										
	Limit 3															240	med			45		45																		
09/01/2019	Sun	81.8			21.0	0.0	0.0	21.0	0.0	0.08	0.27	0.15	70.6	94.0	7.5	1.79	1.79	1.79	0.049																						
09/02/2019	Mon	73.0			21.0	0.0	0.0	21.0	0.0	0.09	0.19	0.00	70.5	91.8	7.0	1.79	1.79	1.79	0.049																						
09/03/2019	Tue	72.9	150	325	21.1	0.0	0.0	21.1	0.0	0.09	0.43	0.15	70.9	100.5	7.5	1.79	1.79	1.79	0.049																	4.9	0.1	812	124	246	0.27	0.02
09/04/2019	Wed	61.5			21.2	0.0	0.0	21.2	0.0	0.11	0.45	0.20	71.2	108.5	7.0	1.79	1.79	1.79	0.049	3.0	99.1	0.9	99.4	0.1	0.1	0.02	0.09	0.84	0.75	0.99										
09/05/2019	Thu	97.1			21.0	0.0	0.0	21.0	0.0	0.11	0.39	0.31	70.1	99.2	6.8	1.79	1.79	1.79	0.210																						
09/06/2019	Fri	67.3			48.3	0.0	0.0	48.3	0.0	0.12	0.38	0.20	70.7	101.3	7.5	1.79	1.79	1.79	0.049																						
09/07/2019	Sat	67.1			65.2	0.0	0.0	65.2	0.0	0.13	0.33	0.20	71.3	126.6	7.5	1.79	1.79	1.79	0.049																						
09/08/2019	Sun	66.5			64.9	0.0	0.0	64.9	0.0	0.14	0.44	0.56	70.3	108.0	7.3	1.79	1.79	1.79	0.049																						
09/09/2019	Mon	64.1			65.4	0.0	0.0	65.4	0.0	0.17	0.33	1.02	69.5	107.1	7.4	1.79	1.79	1.79	0.049																						
09/10/2019	Tue	58.3	231	433	63.6	0.0	0.0	63.6	0.0	0.17	0.36	0.46	69.3	106.6	7.6	1.79	1.79	1.79	0.049																						
09/11/2019	Wed	60.1			64.7	0.0	0.0	64.7	0.0	0.16	0.45	0.71	69.4	122.3	7.5	1.79	1.79	1.79	0.049	2.0	99.5	0.9	99.6	0.3	0.2	0.07	0.70	1.06	0.36	1.36										
09/12/2019	Thu	58.7			64.3	0.0	0.0	64.3	0.0	0.16	0.43	0.51	69.1	109.9	8.4	170.00	1.79	1.79	84.000																						
09/13/2019	Fri	63.4			62.1	0.0	0.0	62.1	0.0	0.18	0.28	1.12	68.3	123.4	7.5	1.79	1.79	1.79	0.049																						
09/14/2019	Sat	66.4			35.7	0.0	0.0	35.7	0.0	0.10	0.46	0.25	67.4	125.3	7.5	1.79	1.79	1.79	0.090																						
09/15/2019	Sun	69.5			48.3	0.0	0.0	48.3	0.0	0.09	0.27	0.20	67.7	124.8	7.3	1.79	1.79	1.79	0.060																						
09/16/2019	Mon	59.0			62.5	0.0	0.0	62.5	0.0	0.08	0.48	0.56	67.5	127.8	7.5	1.79	1.79	1.79	0.049																						
09/17/2019	Tue	57.0	191	437	65.3	0.0	0.0	65.3	0.0	0.08	0.10	0.00	67.1	119.7	7.4	1.79	1.79	1.79	0.049																						
09/18/2019	Wed	58.1			65.4	0.0	0.0	65.4	0.0	0.07	0.39	0.41	67.0	119.7	7.4	1.79	1.79	1.79	0.049	1.9	99.6	0.9	99.5	2.3	1.8	0.45	0.09	1.40	1.31	3.65										
09/19/2019	Thu	62.2			65.4	0.0	0.0	65.4	0.0	0.08	0.38	0.15	65.6	106.4	7.4	1.79	1.79	1.79	0.049																						
09/20/2019	Fri	59.9			64.4	0.0	0.0	64.4	0.0	0.08	0.24	0.20	65.8	98.9	7.3	1.79	1.79	1.79	0.060																						
09/21/2019	Sat	62.7			43.0	0.0	0.0	43.0	0.0	0.10	0.23	0.10	65.6	92.6	7.8	1.79	1.79	1.79	0.320																						
09/22/2019	Sun	77.6			42.1	0.0	0.0	42.1	0.0	0.12	0.48	0.56	65.7	93.4	7.5	1.79	1.79	1.79	0.049																						
09/23/2019	Mon	60.7			65.3	0.0	0.0	65.3	0.0	0.12	0.43	0.87	67.3	110.4	7.4	1.79	1.79	1.79	0.060																						
09/24/2019	Tue	57.6	314	426	65.3	0.0	0.0	65.3	0.0	0.11	0.42	0.87	66.4	102.5	7.4	1.79	1.79	1.79	0.100																						
09/25/2019	Wed	56.4			58.5	0.0	0.0	58.5	0.0	0.11	0.50	0.41	66.6	99.6	7.3	1.79	1.79	1.79	0.500	4.0	99.1	1.0	99.7	1.5	1.5	0.05	0.09	0.50	0.41	2.01										
09/26/2019	Thu	56.7			43.5	0.0	0.0	43.5	0.0	0.11	0.50	1.99	67.1	113.5	7.6	1.79	1.79	1.79	3.400																						
09/27/2019	Fri	59.6			48.0	0.0	0.0	48.0	0.0	0.15	0.37	1.32	69.0	97.8	7.5	1.79	1.79	1.79	1.600																						
09/28/2019	Sat	58.8			51.1	0.0	0.0	51.1	0.0	0.16	0.29	1.22	71.9	103.3	7.5	1.79	1.79	1.79	0.750																						
09/29/2019	Sun	56.1			50.9	0.0	0.0	50.9	0.0	0.16	0.50	2.80	71.4	109.9	7.5	1.79	1.79	1.79	0.190																						
09/30/2019	Mon	57.9			50.2	0.0	0.0	50.2	0.0	0.17	0.24	2.04	71.1	99.2	7.6	1.79	1.79	1.79	0.960																						
	TOTAL	1,928			1,529	0	0	1,529	0																																
	MAX	97.1	314	437	65.4	0.0	0.0	65.4	0.0	0.18	0.50	2.80	71.9	127.8	8.4	170.00	1.79	1.79	84.000	4.0	99.6	1.0	99.7	2.3	1.8	0.45	0.70	1.40	1.31	3.65	4.9	0.1	812	124	246	0.27	0.02				
	AVG	64.3	222	405	51.0	0.0	0.0	51.0	0.0	0.12	0.37	0.65	68.7	108.1	7.4	7.40	1.79	1.79	3.103	2.7	99.3	0.9	99.6	1.1	0.9	0.15	0.24	0.95	0.71	2.00	4.9	0.1	812	124	246	0.27	0.02				
	MIN	56.1	150	325	21.0	0.0	0.0	21.0	0.0	0.07	0.10	0.00	65.6	91.8	6.8	1.79	1.79	1.79	0.049	1.9	99.1	0.9	99.4	0.1	0.1	0.02	0.09	0.50	0.36	0.99	4.9	0.1	812	124	246	0.27	0.02				

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
	Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
	Limit 2														8.5	23	7 day			30		40									15							
	Limit 3															240	med			45		45																
10/01/2019	Tue	57.6	247	546	49.9	0.0	0.0	49.9	0.0	0.16	0.48	1.73	71.3	117.9	7.5	1.79	1.79	1.79	0.380												4.9	0.3	888	127	291	0.42	0.19
10/02/2019	Wed	63.0			50.3	0.0	0.0	50.3	0.0	0.17	0.49	3.41	71.9	129.1	7.6	1.79	1.79	1.79	0.760	3.0	99.5	0.9	99.6	0.2	0.2	0.02	0.09	0.49	0.40	0.69							
10/03/2019	Thu	80.4			50.0	0.0	0.0	50.0	0.0	0.15	0.27	2.90	70.6	106.2	7.5	1.79	1.79	1.79	1.300																		
10/04/2019	Fri	61.6			57.6	0.0	0.0	57.6	0.0	0.14	0.29	1.07	69.8	107.7	7.5	1.79	1.79	1.79	2.500																		
10/05/2019	Sat	62.3			69.9	0.0	0.0	69.9	0.0	0.15	0.25	0.76	68.8	134.4	7.5	1.79	1.79	1.79	0.660																		
10/06/2019	Sun	58.8			70.9	0.0	0.0	70.9	0.0	0.15	0.32	1.48	68.4	139.8	6.9	1.79	1.79	1.79	6.900																		
10/07/2019	Mon	59.9			71.8	0.0	0.0	71.8	0.0	0.15	0.17	0.00	67.6	133.4	6.6	1.79	1.79	1.79	0.340																		
10/08/2019	Tue	60.3	252	451	60.9	0.0	0.0	60.9	0.0	0.14	0.47	2.19	66.5	131.8	6.8	1.79	1.79	1.79	0.570																		
10/09/2019	Wed	76.0			61.6	0.0	0.0	61.6	0.0	0.15	0.49	2.04	66.1	126.7	7.4	1.79	1.79	1.79	0.180	1.9	99.5	1.0	99.6	0.2	0.2	0.04	0.10	0.84	0.74	1.05							
10/10/2019	Thu	62.7			61.8	0.0	0.0	61.8	0.0	0.14	0.48	3.92	67.0	118.7	7.4	1.79	1.79	1.79	0.250																		
10/11/2019	Fri	57.2			61.2	0.0	0.0	61.2	0.0	0.13	0.15	0.00	66.9	105.6	7.6	1.79	1.79	1.79	0.570																		
10/12/2019	Sat	57.6			61.5	0.0	0.0	61.5	0.0	0.12	0.48	2.45	66.3	118.9	7.4	1.79	1.79	1.79	0.049																		
10/13/2019	Sun	57.3			60.9	0.0	0.0	60.9	0.0	0.13	0.44	2.04	66.4	116.2	7.4	1.79	1.79	1.79	0.860																		
10/14/2019	Mon	68.2			49.9	0.0	0.0	49.9	0.0	0.13	0.28	1.02	64.4	109.5	7.4	1.79	1.79	1.79	1.700																		
10/15/2019	Tue	56.2	224	373	61.6	0.0	0.0	61.6	0.0	0.13	0.14	0.00	64.4	120.9	6.7	1.79	1.79	1.79	1.100																		
10/16/2019	Wed	57.7			49.8	0.0	0.0	49.8	0.0	0.13	0.45	1.73	63.1	109.8	7.5	1.79	1.79	1.79	3.800	1.9	99.5	0.9	99.6	0.3	0.3	0.02	0.09	0.57	0.48	0.89							
10/17/2019	Thu	57.2			48.7	0.0	0.0	48.7	0.0	0.14	0.47	2.39	66.0	130.3	7.4	1.79	1.79	1.79	1.500																		
10/18/2019	Fri	55.5			49.2	0.0	0.0	49.2	0.0	0.13	0.49	3.97	66.0	145.3	7.3	1.79	1.79	1.79	0.049																		
10/19/2019	Sat	56.4			49.6	0.0	0.0	49.6	0.0	0.11	0.31	0.31	65.7	130.4	7.4	1.79	1.79	1.79	0.260																		
10/20/2019	Sun	55.5			49.7	0.0	0.0	49.7	0.0	0.12	0.21	0.10	65.2	123.2	7.2	1.79	1.79	1.79	0.049																		
10/21/2019	Mon	67.0			49.7	0.0	0.0	49.7	0.0	0.12	0.21	0.10	65.2	123.2	6.6	1.79	1.79	1.79	0.440																		
10/22/2019	Tue	51.1	271	463	57.3	0.0	0.0	57.3	0.0	0.10	0.42	0.36	66.3	150.8	7.2	1.79	1.79	1.79	1.700																		
10/23/2019	Wed	53.6			50.3	0.0	0.0	50.3	0.0	0.10	0.36	0.46	66.0	131.0	7.2	1.79	1.79	1.79	0.290	14.0	97.0	0.9	99.7	7.3	7.2	0.05	0.05	0.79	0.74	8.07							
10/24/2019	Thu	56.3			45.0	0.0	0.0	45.0	0.0	0.11	0.35	0.25	65.2	106.4	7.4	1.79	1.79	1.79	1.500																		
10/25/2019	Fri	57.5			36.3	0.0	0.0	36.3	0.0	0.10	0.47	0.25	65.7	132.3	7.3	1.79	1.79	1.79	0.049																		
10/26/2019	Sat	57.5			40.8	0.0	0.0	40.8	0.0	0.10	0.45	0.36	65.6	133.1	7.5	1.79	1.79	1.79	0.270																		
10/27/2019	Sun	52.3			41.5	0.0	0.0	41.5	0.0	0.11	0.27	0.20	65.0	123.6	7.0	1.79	1.79	1.79	0.049																		
10/28/2019	Mon	70.6			41.3	0.0	0.0	41.3	0.0	0.12	0.12	0.00	64.8	114.5	7.4	1.79	1.79	1.79	0.230																		
10/29/2019	Tue	55.6	227	196	65.6	0.0	0.0	65.6	0.0	0.10	0.28	0.25	65.0	108.9	7.6	1.79	1.79	1.79	0.049																		
10/30/2019	Wed	51.5			65.9	0.0	0.0	65.9	0.0	0.10	0.13	0.00	64.6	108.2	7.4	1.79	1.79	1.79	0.150	7.0	96.4	0.9	99.6	2.0	1.9	0.04	0.48	0.87	0.39	2.85							
10/31/2019	Thu	53.1			65.6	0.0	0.0	65.6	0.0	0.10	0.18	0.00	64.6	126.1	7.4	1.79	1.79	1.79	0.049																		
	TOTAL	1,848			1,706	0	0	1,706	0																													
	MAX	80.4	271	546	71.8	0.0	0.0	71.8	0.0	0.17	0.49	3.97	71.9	150.8	7.6	1.79	1.79	1.79	6.900	14.0	99.5	1.0	99.7	7.3	7.2	0.05	0.48	0.87	0.74	8.07	4.9	0.3	888	127	291	0.42	0.19
	AVG	59.6	244	406	55.0	0.0	0.0	55.0	0.0	0.13	0.33	1.15	66.5	123.0	7.3	1.79	1.79	1.79	0.921	5.6	98.4	0.9	99.6	2.0	2.0	0.03	0.16	0.71	0.55	2.71	4.9	0.3	888	127	291	0.42	0.19
	MIN	51.1	224	196	36.3	0.0	0.0	36.3	0.0	0.10	0.12	0.00	63.1	105.6	6.6	1.79	1.79	1.79	0.049	1.9	96.4	0.9	99.6	0.2	0.2	0.02	0.05	0.49	0.39	0.69	4.9	0.3	888	127	291	0.42	0.19

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
	Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
	Limit 2														8.5	23	7 day			30		40									15							
	Limit 3															240	med			45		45																
11/01/2019	Fri	56.5			55.1	0.0	0.0	55.1	0.0	0.10	0.15	0.00	64.2	133.0	7.4	1.79	1.79	1.79	0.890																			
11/02/2019	Sat	54.6			53.7	0.0	0.0	53.7	0.0	0.11	0.33	0.31	67.3	136.4	7.3	1.79	1.79	1.79	0.420																			
11/03/2019	Sun	51.3			55.4	0.0	0.0	55.4	0.0	0.12	0.21	0.15	69.8	151.5	7.4	1.79	1.79	1.79	0.640																			
11/04/2019	Mon	71.5			56.6	0.0	0.0	56.6	0.0	0.13	0.13	0.00	68.2	143.6	6.4	1.79	1.79	1.79	0.049																			
11/05/2019	Tue	49.7	255	517	56.8	0.0	0.0	56.8	0.0	0.12	0.40	0.46	66.7	138.3	6.4	1.79	1.79	1.79	0.049																			
11/06/2019	Wed	51.2			38.9	0.0	0.0	38.9	0.0	0.13	0.16	0.00	66.0	123.4	7.4	1.79	1.79	1.79	0.049	9.0	98.3	0.9	99.6	1.7	1.7	0.02	0.06	0.93	0.87	2.63	4.9	2.4	840	120	315	0.44	0.08
11/07/2019	Thu	57.0			49.4	0.0	0.0	49.4	0.0	0.15	0.24	0.25	66.0	119.5	6.2	1.79	1.79	1.79	0.049																			
11/08/2019	Fri	50.5			50.5	0.0	0.0	50.5	0.0	0.15	0.24	0.25	66.0	118.4	7.4	1.79	1.79	1.79	0.049																			
11/09/2019	Sat	55.8			52.0	0.0	0.0	52.0	0.0	0.15	0.38	0.56	66.1	125.0	7.4	1.79	1.79	1.79	0.049																			
11/10/2019	Sun	54.2			60.0	0.0	0.0	60.0	0.0	0.19	0.35	0.66	65.9	113.8	7.5	1.79	1.79	1.79	0.049																			
11/11/2019	Mon	51.7			59.2	0.0	0.0	59.2	0.0	0.16	0.47	1.88	66.0	106.3	7.6	1.79	1.79	1.79	0.049																			
11/12/2019	Tue	48.8	213	498	52.9	0.0	0.0	52.9	0.0	0.09	0.49	0.31	66.5	145.6	7.8	1.79	1.79	1.79	0.110																			
11/13/2019	Wed	69.9			49.9	0.0	0.0	49.9	0.0	0.13	0.18	0.00	66.0	186.8	7.4	1.79	1.79	1.79	0.049	4.9	99.0	0.9	99.6	1.5	1.5	0.02	0.14	1.06	0.92	2.56							
11/14/2019	Thu	51.5			58.5	0.0	0.0	58.5	0.0	0.13	0.24	0.15	66.0	179.4	7.3	1.79	1.79	1.79	0.049																			
11/15/2019	Fri	53.8			49.4	0.0	0.0	49.4	0.0	0.13	0.16	0.00	66.0	150.3	7.4	1.79	1.79	1.79	0.049																			
11/16/2019	Sat	53.8			50.3	0.0	0.0	50.3	0.0	0.15	0.42	0.56	66.1	123.9	7.5	1.79	1.79	1.79	0.049																			
11/17/2019	Sun	51.8			49.2	0.0	0.0	49.2	0.0	0.16	0.50	0.25	64.7	126.6	7.4	1.79	1.79	1.79	0.100																			
11/18/2019	Mon	67.4			49.9	0.0	0.0	49.9	0.0	0.13	0.26	0.15	65.6	168.5	7.4	1.79	1.79	1.79	0.049																			
11/19/2019	Tue	53.7	544	119	47.5	0.0	0.0	47.5	0.0	0.09	0.41	0.15	69.8	150.3	7.4	1.79	1.79	1.79	0.049																			
11/20/2019	Wed	53.3			49.4	0.0	0.0	49.4	0.0	0.09	0.37	0.10	65.2	129.2	7.4	1.79	1.79	1.79	0.049	1.9	98.4	0.9	99.8	0.8	0.8	0.02	0.74	0.94	0.20	1.75							
11/21/2019	Thu	51.7			49.0	0.0	0.0	49.0	0.0	0.09	0.45	0.15	66.4	148.6	7.5	1.79	1.79	1.79	0.049																			
11/22/2019	Fri	54.7			50.3	0.0	0.0	50.3	0.0	0.11	0.30	0.20	64.4	129.3	7.4	1.79	1.79	1.79	0.049																			
11/23/2019	Sat	56.2			49.6	0.0	0.0	49.6	0.0	0.11	0.28	0.15	65.4	132.6	7.6	1.79	1.79	1.79	0.049																			
11/24/2019	Sun	61.0			51.7	0.0	0.0	51.7	0.0	0.12	0.23	0.15	67.3	111.5	7.5	1.79	1.79	1.79	0.049																			
11/25/2019	Mon	85.5			58.3	0.0	0.0	58.3	0.0	0.11	0.12	0.00	66.2	104.7	7.5	1.79	1.79	1.79	0.049																			
11/26/2019	Tue	71.8	209	399	64.1	0.0	0.0	64.1	0.0	0.09	0.41	0.20	66.3	104.7	7.5	1.79	1.79	1.79	0.049																			
11/27/2019	Wed	75.4			63.8	0.0	0.0	63.8	0.0	0.08	0.18	0.00	65.6	113.0	7.5	1.79	1.79	1.79	0.049	1.9	99.5	3.0	98.6	0.9	0.9	0.02	0.05	0.62	0.57	1.51							
11/28/2019	Thu	43.3			99.0	0.0	0.0	99.0	0.0	0.08	0.49	0.20	66.4	123.8	7.7	1.79	1.79	1.79	0.049																			
11/29/2019	Fri	52.2			74.4	0.0	0.0	74.4	0.0	0.08	0.15	0.00	68.0	150.9	7.5	1.79	1.79	1.79	0.049																			
11/30/2019	Sat	48.9			61.6	0.0	0.0	61.6	0.0	0.08	0.15	0.00	66.1	157.9	7.6	1.79	1.79	1.79	0.049																			
	TOTAL	1,709			1,666	0	0	1,666	0																												
	MAX	85.5	544	517	99.0	0.0	0.0	99.0	0.0	0.19	0.50	1.88	69.8	186.8	7.8	1.79	1.79	1.79	0.890	9.0	99.5	3.0	99.8	1.7	1.7	0.02	0.74	1.06	0.92	2.63	4.9	2.4	840	120	315	0.44	0.08
	AVG	57.0	305	383	55.5	0.0	0.0	55.5	0.0	0.12	0.29	0.24	66.3	134.9	7.4	1.79	1.79	1.79	0.113	4.4	98.8	1.4	99.4	1.2	1.2	0.02	0.25	0.89	0.64	2.11	4.9	2.4	840	120	315	0.44	0.08
	MIN	43.3	209	119	38.9	0.0	0.0	38.9	0.0	0.08	0.12	0.00	64.2	104.7	6.2	1.79	1.79	1.79	0.049	1.9	98.3	0.9	98.6	0.8	0.8	0.02	0.05	0.62	0.20	1.51	4.9	2.4	840	120	315	0.44	0.08

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																			
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY										
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS			
Units		*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*			
Limit 1		191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5			
Limit 2															8.5	23	7 day			30		40								15									
Limit 3																240	med			45		45																	
12/01/2019	Sun	45.2			45.9	0.0	0.0	45.9	0.0	0.07	0.26	0.20	72.5	176.1	7.4	1.79	1.79	1.79	0.049																					
12/02/2019	Mon	64.8			28.4	0.0	0.0	28.4	0.0	0.07	0.32	0.51	66.7	150.8	7.4	1.79	1.79	1.79	0.049																					
12/03/2019	Tue	52.9	561	602	34.7	0.0	0.0	34.7	0.0	0.07	0.13	0.00	66.2	129.3	7.5	1.79	1.79	1.79	0.049																4.9	1.5	928	151	313	0.32	0.05
12/04/2019	Wed	56.2			51.7	0.0	0.0	51.7	0.0	0.06	0.12	0.00	66.2	129.3	7.4	1.79	1.79	1.79	0.049	1.9	99.7	2.0	99.6	2.1	2.1	0.02	0.05	0.99	0.94	3.12									
12/05/2019	Thu	53.9			59.3	0.0	0.0	59.3	0.0	0.07	0.14	0.00	66.2	147.8	7.0	1.79	1.79	1.79	0.049																					
12/06/2019	Fri	51.3			65.3	0.0	0.0	65.3	0.0	0.07	0.16	0.00	66.6	163.8	7.5	1.79	1.79	1.79	0.049																					
12/07/2019	Sat	53.2			49.3	0.0	0.0	49.3	0.0	0.07	0.32	0.15	66.6	159.3	7.5	1.79	1.79	1.79	0.049																					
12/08/2019	Sun	47.8			49.6	0.0	0.0	49.6	0.0	0.07	0.14	0.00	66.2	154.4	7.6	1.79	1.79	1.79	0.049																					
12/09/2019	Mon	69.9			56.6	0.0	0.0	56.6	0.0	0.05	0.07	0.00	66.6	161.1	7.7	1.79	1.79	1.79	0.049																					
12/10/2019	Tue	51.4	232	488	57.5	0.0	0.0	57.5	0.0	0.07	0.28	0.31	66.7	133.3	7.4	1.79	1.79	1.79	0.049																					
12/11/2019	Wed	52.4			58.1	0.0	0.0	58.1	0.0	0.08	0.12	0.00	66.3	149.3	7.5	1.79	1.79	1.79	0.049	1.9	99.6	0.9	99.6	2.3	2.3	0.02	0.09	0.99	0.90											
12/12/2019	Thu	53.4			57.6	0.0	0.0	57.6	0.0	0.08	0.18	0.00	66.3	147.6	7.5	1.79	1.79	1.79	0.049																					
12/13/2019	Fri	56.6			55.6	0.0	0.0	55.6	0.0	0.09	0.13	0.00	66.8	144.8	7.5	1.79	1.79	1.79	0.049																					
12/14/2019	Sat	53.2			50.2	0.0	0.0	50.2	0.0	0.09	0.22	0.10	66.4	130.0	7.5	1.79	1.79	1.79	0.049																					
12/15/2019	Sun	48.6			50.4	0.0	0.0	50.4	0.0	0.09	0.13	0.00	66.3	145.7	7.6	1.79	1.79	1.79	0.049																					
12/16/2019	Mon	70.4			50.3	0.0	0.0	50.3	0.0	0.09	0.20	0.10	66.2	143.3	7.6	1.79	1.79	1.79	0.049																					
12/17/2019	Tue	53.1	235	439	44.5	0.0	0.0	44.5	0.0	0.08	0.24	0.15	66.0	108.2	7.4	1.79	1.79	1.79	0.049																					
12/18/2019	Wed	49.9			39.4	0.0	0.0	39.4	0.0	0.08	0.09	0.00	65.9	117.7	7.6	1.79	1.79	1.79	0.049	5.0	98.9	0.9	99.6	2.5	2.5	0.02	0.47	0.99	0.52											
12/19/2019	Thu	50.0			47.0	0.0	0.0	47.0	0.0	0.08	0.19	0.00	64.7	132.1	7.4	1.79	1.79	1.79	0.049																					
12/20/2019	Fri	51.3			50.3	0.0	0.0	50.3	0.0	0.08	0.12	0.00	67.6	147.5	7.2	1.79	1.79	1.79	0.049																					
12/21/2019	Sat	51.1			50.8	0.0	0.0	50.8	0.0	0.08	0.22	0.10	66.0	132.0	7.6	1.79	1.79	1.79	0.049																					
12/22/2019	Sun	73.4			50.9	0.0	0.0	50.9	0.0	0.08	0.17	0.00	65.6	137.3	7.6	1.79	1.79	1.79	0.049																					
12/23/2019	Mon	70.8			64.0	0.0	0.0	64.0	0.0	0.08	0.13	0.00	66.6	109.0	7.4	1.79	1.79	1.79	0.049																					
12/24/2019	Tue	57.3			140.4	0.0	0.0	140.4	0.0	0.09	0.12	0.00	65.9	129.2	7.4	1.79	1.79	1.79	0.049																					
12/25/2019	Wed	47.2			60.3	0.0	0.0	60.3	0.0	0.07	0.11	0.00	67.6	153.8	7.5	1.79	1.79	1.79	0.049																					
12/26/2019	Thu	86.0	158	165	45.2	0.0	0.0	45.2	0.0	0.07	0.13	0.00	66.4	117.1	7.6	1.79	1.79	1.79	0.049	9.0	94.5	0.9	99.4	1.3	1.3	0.02	0.09	0.99	0.90											
12/27/2019	Fri	94.2			84.6	0.0	0.0	84.6	0.0	0.07	0.14	0.00	66.7	106.0	7.5	1.79	1.79	1.79	0.049																					
12/28/2019	Sat	66.5			67.1	0.0	0.0	67.1	0.0	0.07	0.12	0.00	67.3	144.7	7.6	1.79	1.79	1.79	0.049																					
12/29/2019	Sun	56.4			71.7	0.0	0.0	71.7	0.0	0.07	0.09	0.00	66.6	168.1	7.4	1.79	1.79	1.79	0.049																					
12/30/2019	Mon	58.1			72.5	0.0	0.0	72.5	0.0	0.06	0.07	0.00	67.0	200.0	7.6	1.79	1.79	1.79	0.049																					
12/31/2019	Tue	58.7			57.1	0.0	0.0	57.1	0.0	0.05	0.13	0.00	65.9	125.8	7.5	1.79	1.79	1.79	0.049																					
TOTAL		1,805			1,766	0	0	1,766	0																															
MAX		94.2	561	602	140.4	0.0	0.0	140.4	0.0	0.09	0.32	0.51	72.5	200.0	7.7	1.79	1.79	1.79	0.049	9.0	99.7	2.0	99.6	2.5	2.5	0.02	0.47	0.99	0.94	3.12	4.9	1.5	928	151	313	0.32	0.05			
AVG		58.2	297	424	57.0	0.0	0.0	57.0	0.0	0.07	0.16	0.05	66.6	141.8	7.5	1.79	1.79	1.79	0.049	4.5	98.2	1.2	99.6	2.1	2.1	0.02	0.17	0.99	0.82	3.12	4.9	1.5	928	151	313	0.32	0.05			
MIN		45.2	158	165	28.4	0.0	0.0	28.4	0.0	0.05	0.07	0.00	64.7	106.0	7.0	1.8	1.8	1.8	0.049	1.9	94.5	0.9	99.4	1.3	1.3	0.02	0.05	0.99	0.52	3.12	4.9	1.5	928	151	313	0.32	0.05			

ATTACHMENT B: QUARTERLY EFF

			>> DATE >>	2/8	4/8	7/9	9/23	10/24			
	MCL	Units	Q1	Q2	Q3	Q3	Q4	MAX	AVG	MIN
A1 - Inorganic Chemicals										
Aluminum	1	mg/L	0.031	0.081	0.04	0.032	0.025	0.081	4.18E-02	0.025
Antimony	0.006	mg/L	0.00009	0.0009	0.0009	0.0009	0.0009	0.0009	7.38E-04	0.00009
Arsenic	0.01	mg/L	0.0015	0.001	0.0009	0.0011	0.0021	0.0021	1.32E-03	0.0009
Asbestos	7	MFL	0	0	0	0	0	0	0	0
Barium	1	mg/L	0.011	0.022	0.013	0.021	0.019	0.022	1.72E-02	0.011
Beryllium	0.004	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Cadmium	0.005	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Chromium	0.05	mg/L	0.0054	0.0052	0.0022	0.0058	0.0081	0.0081	5.34E-03	0.0022
Cyanide	0.15	mg/L	0.0049	4.90E-06	0.0049	0.0049	4.90E-06	0.0049	2.94E-03	4.90E-06
Mercury	0.002	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Nickel	0.1	mg/L	0.0038	0.0046	0.0038	0.0035	0.0079	0.0079	4.72E-03	0.0035
Selenium	0.05	mg/L	0.0053	0.0056	0.0047	0.0019	0.0019	0.0056	0.00388	0.0019
Thallium	0.002	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Perchlorate	0.006	mg/L	0	0	0	0	0	0	0	0
Fluoride	2	mg/L	0.57	0.00009	0.55	0.09	0.37	0.57	3.16E-01	0.00009
A2 - Radioactivity										
Radium-226 + Radium-228	5	pCi/L	0.726	0.470	0.828	1.152	0.818	1.152	7.99E-01	0.47
Gross Alpha Particle Activity[1]	15	pCi/L	1.24	1.78	1.24	1.40	1.6	1.78	1.452	1.24
Tritium	20,000	pCi/L	434	434	434	434	434	434	434	434
Strontium-90	8	pCi/L	0.546	0.546	0.546	0.546	0.546	0.546	0.546	0.546
Gross Beta Particle Activity	50	pCi/L	1.04	1.49	1.46	1.04	1.02	1.49	1.21	1.02
Uranium	20	pCi/L	0.342	4.6 ug/l	3.0 ug/l	0.0008	0.69	0.69	3.44E-01	0.0008
A3 - Volatile Organic Chemicals										
Benzene	0.001	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Carbon Tetrachloride (CTC)	0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichlorobenzene	0.6	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1.4-Dichlorobenzene	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1-Dichloroethane	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichloroethane (1,2-DCA)	0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1-Dichloroethene (1, 1-DCE)	0.006	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Cis-1,2-Dichloroethylene	0.006	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Trans-1,2-Dichloroethylene	0.01	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Dichloromethane	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichloropropane	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,3-Dichloropropene	0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Ethylbenzene	0.3	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Methyl-tert-butyl-ether (MTBE)	0.013	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Monochlorobenzene	0.07	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Styrene	0.1	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049

			>> DATE >>	2/8	4/8	7/9	9/23	10/24			
	MCL	Units	Q1	Q2	Q3	Q3	Q4	MAX	AVG	MIN
A3 - Non-Volatile Synthetic Organics										
Alachlor	0.002	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Atrazine	0.001	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Bentazon	0.018	mg/L	0.0002	0.00019	0.00019	0.00019	0.00009	0.0002	1.72E-04	0.00009
Benzo(a)pyrene	0.0002	mg/L	0.000049	0.000049	0.000049	4.90E-05	4.90E-05	0.000049	0.000049	0.000049
Carbofuran	0.018	mg/L	0.0009	0.0009	0.0009	0.00049	0.0009	0.0009	0.000818	0.00049
Chlordane	0.0001	mg/L	0.0009	0.00009	0.000089	8.90E-05	9.00E-05	0.0009	2.52E-04	0.000089
2,4-D	0.07	mg/L	0.00019	0.00019	0.0009	0.00019	9.00E-05	0.0009	3.12E-04	0.00009
Dalapon	0.2	mg/L	0.00019	0.00019	0.00019	0.00019	0.00009	0.00019	0.00017	0.00009
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	mg/L	0.000009	1.90E-06	9.00E-06	9.00E-06	9.00E-06	0.000009	7.58E-06	0.0000019
Di(2-ethylhexyl)adipate	0.4	mg/L	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Di(2-ethylhexyl)phthalate	0.004	mg/L	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Dinoseb	0.007	mg/L	0.0019	0.00019	0.00019	0.00019	9.00E-06	0.0019	0.0004958	0.000009
Diquat	0.02	mg/L	0.00039	0.001748	0.001767	1.66E-03	0.00159	0.001767	1.43E-03	0.00039
Endothall	0.1	mg/L	0.0449	0.202	0.198	0.1585	0.04034	0.202	0.128748	0.04034
Endrin	0.002	mg/L	0.000009	0.000009	0.000009	9.00E-06	9.00E-06	0.000009	0.000009	0.000009
Ethylene Dibromide (EDB)	0.00005	mg/L	0.000019	0.000019	1.90E-05	1.90E-05	0.000019	0.000019	0.000019	0.000019
Glyphosate	0.7	mg/L	0.0049	0.05005	0.04908	0.04592	0.04988	0.05005	4.00E-02	0.0049
Heptachlor	0.00001	mg/L	9.00E-06	0.000019	9.00E-06	9.00E-06	9.00E-06	1.90E-05	1.10E-05	9.00E-06
Heptachlor Epoxide	0.00001	mg/L	9.00E-06	0.000019	9.00E-06	9.00E-06	9.00E-06	1.90E-05	1.10E-05	9.00E-06
Hexachlorobenzene	0.001	mg/L	9.00E-06	1.90E-05	9.00E-06	9.00E-06	9.00E-06	1.90E-05	1.10E-05	9.00E-06
Hexachlorocyclopentadiene	0.05	mg/L	9.00E-06	1.90E-05	9.00E-06	2.00E-04	9.00E-06	2.00E-04	4.92E-05	9.00E-06
lindane	0.0002	mg/L	9.00E-06	1.90E-05	9.00E-06	9.00E-06	9.00E-06	1.90E-05	1.10E-05	9.00E-06
Methoxychlor	0.03	mg/L	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05
Molinate	0.02	mg/L	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04
Oxamyl	0.05	mg/L	9.00E-04	9.00E-04	9.00E-04	9.00E-04	9.00E-04	9.00E-04	9.00E-04	9.00E-04
Pentachlorophenol	0.001	mg/L	1.90E-04	1.90E-04	1.90E-04	1.90E-04	9.00E-05	1.90E-04	1.70E-04	9.00E-05
Picloram	0.5	mg/L	1.90E-04	1.90E-04	1.90E-04	1.90E-04	9.00E-05	1.90E-04	1.70E-04	9.00E-05
Polychlorinated Biphenyls	0.0005	mg/L	9.00E-05	9.00E-05	8.90E-05	8.90E-05	7.90E-04	7.90E-04	2.30E-04	8.90E-05
Simazine	0.004	mg/L	1.90E-04	1.90E-04	1.90E-04	0.00019	1.90E-05	1.90E-04	1.56E-04	1.90E-05
Thiobencarb	0.07	mg/L	1.90E-04	1.90E-04	1.90E-04	0.00019	1.90E-05	1.90E-04	1.56E-04	1.90E-05
Toxaphene	0.003	mg/L	9.00E-04	9.00E-05	8.90E-05	8.90E-05	9.00E-05	9.00E-04	2.52E-04	8.90E-05
2,3,7,8-TCDD (Dioxin)	3x10-a	mg/L	4.14E-09		3.61 pg/L	8.73E+00	4.16 pg/L	8.73E+00	4.37E+00	4.14E-09
2,4,5-TP (Silvex)	0.05	mg/L	1.90E-04	1.90E-04	1.90E-04	1.90E-04	9.00E-05	1.90E-04	1.70E-04	9.00E-05
A4 - Disinfection Byproducts										
Total Trihalomethanes (TTHM)	0.08	ppb	0.49	0.00049	0.0468	0.0015	0.0578	0.49	1.19E-01	0.00049
Bromodichloromethane			0.49	0.00049	0.0185	0.0144	0.00049	0.49	1.05E-01	0.00049
Bromoform			0.49	0.00049	0.0008	0.00049	0.0025	0.49	9.89E-02	0.00049
Chloroform			0.49	0.0006	0.0209	0.101	0.302	0.49	0.1829	0.0006
Dibromochloromethane			0.49	0.00049	0.0066	0.0015	0.0578	0.49	1.11E-01	0.00049
Haloacetic acid (five) (HAA5)	0.06	ppb	0.49	0.00049	0.0009	0.745	0.0009	0.745	2.47E-01	0.00049

1,1,2,2-Tetrachloroethane	0.001	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Tetrachloroethylene (PCE)	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Toluene	0.15	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2,4-Trichlorobenzene	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1, 1-Trichloroethane	0.2	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1,2-Trichloroethane	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Trichloroethylene (TCE)	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Trichlorofluoromethane	0.15	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1,2-Trichloro-1,2,2-Trifluoroethane	1.2	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Vinyl Chloride	0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Xylene (m,p)	1.75	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049

Notes:
1) Including Radium-226 but Excluding Radon and Uranium)

Monochloroacetic acid		ppb	0.49	0.00049	0.0009	0.553	7.77	7.77	1.76E+00	0.00049
Dichloroacetic acid		ppb	0.49	0.00049	0.0131	0.0822	0.132	0.49	1.44E-01	0.00049
Trichloroacetic acid		ppb	0.49	0.00049	0.0047	0.0862	0.194	0.49	1.55E-01	0.00049
Monobromoacetic acid		ppb	0.49	0.00049	0.0009	0.0009	0.0048	0.49	9.94E-02	0.00049
Dibromoacetic acid		ppb	0.5	0.00049	0.0026	0.0017	0.017	0.5	1.04E-01	0.00049
Bromate 121	0.01	ppb	38.2	0.024	0.0249	0.0468	0.0049	38.2	7.66E+00	0.0049
Chlorite131	1	ppb	19.9	0.099	0.0999	0.298	0.02	19.9	4.08E+00	0.02

A5 - Secondary MCLs										
Aluminum	0.2	mg/L	0.031	0.081	0.0399	0.032	0.0006	0.081	3.69E-02	0.0006
Color	150	CU	24.4	25.3	25.4	12.6	4.6	25.4	1.85E+01	4.6
Copper	1	mg/L	0.0008	0.001	0.001	0.0009	0.0017	0.0017	1.08E-03	0.0008
Corrosivity (Langelier Index)	Non		0.24	-0.06	-0.00021	-0.0003	-0.25	0.24	-0.014102	-0.25
Foam Agents (MBAS)	0.5	mg/L	0.19	0.00019	0.21	0.13	0.05	0.21	1.16E-01	0.00019
Iron	0.3	mg/L	0.11	0.00002	0.000019	0.02	0.019	0.11	2.98E-02	0.000019
Manganese	0.05	mg/L	0.0024	0.085	0.0036	0.013	0.0046	0.085	2.17E-02	0.0024
Methyl-tert-butyl-ether (MTBE)	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Odor - Threshold	3	T.O.N.	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Silver	0.1	mg/L	0.00019	0.00019	0.00019	0.00019	0.0006	0.0006	0.000272	0.00019
Thiobencarb	0.001	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Zinc	5	mg/L	0.012	0.022	0.013	0.018	0.018	0.022	1.66E-02	0.012

ATTACHMENT D: ANNUAL EFF

Date: 6/13/2019		Units				Units				Units
Antimony	0.9	ug/l		Trichloroethylene	0.9	ug/l		Fluoranthene	1.9	ug/l
Arsenic	1.5	ug/l		Vinyl Chloride	0.9	ug/l		Fluorene	1.9	ug/l
Beryllium	0.19	ug/l		2-Chlorophenol	4.9	ug/l		Hexachlorobenzene	1.9	ug/l
Cadmium	0.19	ug/l		2,4-Dichlorophenol	1.9	ug/l		Hexachlorobutadiene	1.9	ug/l
Chromium (III)	7.0	ug/l		2,4-Dimethylphnol	1.9	ug/l		Hexachlorocyclopentadien	1.9	ug/l
Chromium (VI)	0	ug/l		4,6- Dinitro-2-Methylphenol	4.9	ug/l		Hexachloroethane	1.9	ug/l
								Indeno (1,2,3-cd) pyrene	1.9	ug/l
Copper	1.3	ug/l		2,4-Dinitrophenol	4.9	ug/l		Isophorone	1.9	
Lead	0.19	ug/l		2-Nitrophenol	4.9	ug/l		Naphthalene	1.9	ug/l
Mercury	0.19	ug/l		4-Nitrophenol	9.9	ug/l		Nitrobenzene	1.9	ug/l
Nickel	4.4	ug/l		4-Chloro-3-Methylphenol	4.9	ug/l		N-nitrosodimethylamine	1.9	ug/l
Selenium	6.7	ug/l		Pentachlorophenol	9.9	ug/l		N-Nitrosodi-N-propylamine	1.9	ug/l
Silver	0.19	ug/l		Phenol	4.9	ug/l		Phenathrene	1.9	ug/l
Thallium	0.9	ug/l		2,4,6-Trichlorophenol	4.9	ug/l		Pyrene	1.9	ug/l
Zinc	16	ug/l		Acenaphthene	1.9	ug/l		1,2,4-Trichlorobenzene	1.9	ug/l
Cyanide	0.0049	mg/l		Acenaphthylene	1.9	ug/l		Aldrin	0.0049	ug/l
Asbestos	0	mfl						alpha-BHC	0.0049	ug/l
2,3,7,8 TCDD	4.14E-09	mg/l		Anthracene	1.9	ug/l		beta-BHC	0.0049	ug/l
Acrolein	1.9	ug/l		Benzidine	4.9	ug/l		gamma-BHC	0.009	ug/l
Acrylonitrile	1.9	ug/l		Benzo (a) pyrene	1.9	ug/l		delta-BHC	0.0049	ug/l
Benzene	0.9	ug/l		Benzo (b) fluoranthene	1.9	ug/l		Chlordane	0.09	ug/l
Bromoform	2.1	ug/l		Benzo (ghi) perylene	1.9	ug/l		4,4'-DDT	0.009	ug/l
Carbon tetrachloride	0.9	ug/l		Benzo (k) fluoranthene	1.9	ug/l		4,4'-DDE	0.009	ug/l
Chlorobenzene	0.9	ug/l		Bis (2-chloroethoxy) Methane	1.9	ug/l		4,4'-DDD	0.009	ug/l
Chlorodibromomethane	17.7	ug/l		Bis (2-chloroethyl) Ether	1.9	ug/l		Dieldrin	0.009	ug/l
Chloroethane	0.9	ug/l		Bis (2-chloroisopropyl) Ether	1.9	ug/l		alpha-Endosulfan	0.009	ug/l
2-Chloroethylvinyl Ether	4.9	ug/l		Bis (2-ethylhexyl) Phthalate	1.9	ug/l		beta-Endosulfan	0.009	ug/l
Chloroform	40.6	ug/l		4-Bromophenyl Phenyl Ether	1.9	ug/l		Endosulfan Sulfate	0.009	ug/l
Dichlorobromomethane	17.7	ug/l		Butylbenzyl Phthalate	1.9	ug/l		Endrin	0.009	ug/l
								Endrin Aldehyde	0.009	ug/l
1,1 Dichloroethane	0.9	ug/l		2-Chloronaphthalene	1.9	ug/l		Heptachlor	0.009	ug/l
1,2 Dichloroethane	0.9	ug/l		4-Chlorophenyl Phenyl Ether	1.9	ug/l		Heptachlor Epoxide	0.009	ug/l
1,1 Dichloroethylene	0.9	ug/l		Chrysene	1.9	ug/l		PCB (Aroclor-1016)	0.49	ug/l
1,2 Dichloropropane	0.9	ug/l		Dibenzo (ah) anthracene	1.9	ug/l		PCB (Aroclor-1221)	0.49	ug/l
1,3-dichloropropylene	0.9	ug/l		1,2-Dichlorobenzene	1.9	ug/l		PCB (Aroclor-1232)	0.49	ug/l
Ethylbenzene	0.9	ug/l		1,3-Dichlorobenzene	1.9	ug/l		PCB (Aroclor-1242)	0.49	ug/l
Methyl Bromide	1.9	ug/l		1,4-Dichlorobenzene	1.9	ug/l		PCB (Aroclor-1248)	0.49	ug/l
Methyl Chloride	1.9	ug/l		3,3'-Dichlorobenzidine	1.9	ug/l		PCB (Aroclor-1254)	0.49	ug/l
Methylene Chloride	0.9	ug/l		Diethyl Phthalate	1.9	ug/l		PCB (Aroclor-1260)	0.49	ug/l
1,1,2,2-Tetrachloroethane	0.9	ug/l		Dimethyl Phthalate	1.9	ug/l		Toxaphene	0.49	ug/l
Tetrachloroethylene	0.9	ug/l		Di-n-butyl Phthalate	1.9	ug/l				
Toluene	0.9	ug/l		2,4-Dinitrotoluene	4.9	ug/l				
1,2-Trans-Dichloroethylene	0.9	ug/l		2,6-Dinitrotoluene	4.9	ug/l				
1,1,1-Trichloroethane	0.9	ug/l		Di-n-octyl Phthalate	1.9	ug/l				
1,1,2-Trichloroethane	0.9	ug/l		1,2-Diphenylhydrazine	1.9	ug/l				

ATTACHMENT C: SEWAGE, SLUDGE, AND GREASE HAULING

	DATE	DAY	GAL	LOCATION	DESCRIPTION	REASON FOR HAUL	DESTINATION	HAULER
FIRST QUARTER	02/18/2019	Mon	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	03/08/2019	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	03/20/2019	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		15,000					
SECOND QUARTER	04/04/2019	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	04/10/2019	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	04/17/2019	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	04/25/2019	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	05/02/2019	Thu	2,500	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	05/02/2019	Thu	2,500	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	05/17/2019	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	06/27/2019	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		35,000					

ATTACHMENT H: SEWAGE, SLUDGE, AND GREASE HAULING

THIRD QUARTER	07/03/2019	Wed	2,500	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	07/05/2019	Fri	2,500	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	07/11/2019	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	07/18/2019	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	07/25/2019	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	08/01/2019	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	08/08/2019	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	08/16/2019	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/17/2019	Tue	4,500	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/24/2019	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		44,500					
FOURTH QUARTER	10/01/2019	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	10/17/2019	Thu	5,000	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/06/2019	Wed	5,000	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/20/2019	Wed	5,000	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/27/2019	Wed	5,000	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	12/04/2019	Wed	5,000	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	12/10/2019	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	12/17/2019	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	12/24/2019	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	12/31/2019	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		50,000					

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

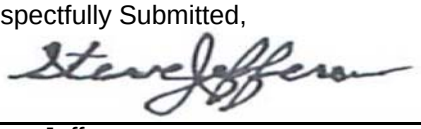
Attention: Ric Vardel
Report Date: 14-Jan-19 23:30
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0003-01) Collected: 01-Jan-19 By IPC						
pH	SM4500-H-B	AA90218	0.1	01-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90212	0.05	02-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA90104	1.8	03-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA90104	1.8	03-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/14/2019
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

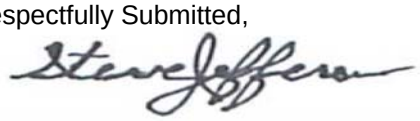
Attention: Ric Vardel
Report Date: 14-Jan-19 23:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0026-01) Collected: 02-Jan-19 By IPC						
pH	SM4500-H-B	AA90221	0.1	02-Jan-19 (JC)	7.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90315	0.05	03-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA90211	1.8	04-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA90211	1.8	04-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0026

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/02/19	1000	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.9/18-3
1	1	(	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (EPC)	01/02/18	
Received by		PCL Cindy Moore	1/2/18	1:09
Relinquished by		PCL	1/2/18	5:30
Received by				
Relinquished by				
Received in lab by		PCL	1.2.18	1730

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing, which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or as otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent that Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreements subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard has otherwise. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client shall not disclose to any third party any interpretations or any technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, environmental claims, penalties, causes of action, suits and any and all costs and expenses including, but not limited to, court fees (the "Litigation Expenses") and expert arising in favor of client or any third party as a result of, and/or in any way arising, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials, 1. injury, illness or death of persons 2. loss of, damage to, or theft of, or loss of use or property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, liabilities, actions of every kind and character, arising out of or in connection with the negligence or acts or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from clients or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to resell same, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the consideration to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior modification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 24 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteriological) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

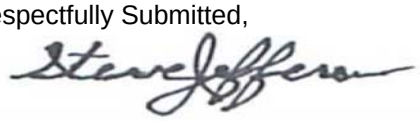
Attention: Ric Vardel
Report Date: 14-Jan-19 23:39
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0075-01) Collected: 03-Jan-19 By CA						
pH	SM4500-H-B	AA90325	0.1	03-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90412	0.05	04-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA90314	1.8	05-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA90314	1.8	05-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0075

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine	CA 92618	Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/03/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PPC)	01/03/18	
Received by	Elo	Alvarez PPC	1/3/19	2:1230
Relinquished by	Elo	Carlos	1/3/19	1400
Received by				
Relinquished by				
Received in lab by		PIL	1.3.19	1400

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of PCL's reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless in, on and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees, (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every type or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the client's negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to lawsuit, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample-disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance of when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any account unpaid at the end of thirty (30) days is subject to interest at the rate of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or report(s) furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. He agrees and acknowledges that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

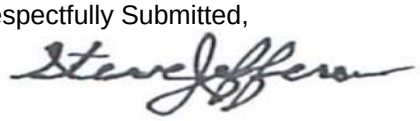
Attention: Ric Vardel
Report Date: 14-Jan-19 23:42
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0094-01) Collected: 04-Jan-19 By CA						
pH	SM4500-H-B	AA90420	0.1	04-Jan-19 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90422	0.05	04-Jan-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA90411	1.8	06-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA90411	1.8	06-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0094

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. A	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	01/04/19	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.15 / 19.2°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. A	Carlos Alvarez (PCL)	01/04/19	11:22
Received by		Amando Olmos (Pat/Hcm)	1/4/19	11:27
Relinquished by		Amando Olmos (Pat/Hcm)	1/4/19	12:48
Received by				
Relinquished by				
Received in lab by		PCL	1.4.19	1248

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? **Yes** **No**
Samples intact? **Yes** **No**
Samples properly preserved? **Yes** **No**
Samples in holding time? **Yes** **No**

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means those Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order service by submitting a written Chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is in the public domain) or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care as it is presenting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information, including technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the obligation Expenses) and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL hereunder, this agreement and/or transportation, handling, or disposal of client's hazardous materials. 1. Injury, illness or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, such damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses (as other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedure.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or client's with a history of payment and/or client account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET EACH within thirty (30) days from date of invoices. To the fullest extent permitted by law or by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate (as limited by law or rule and one half percent (1.5%) per month, or the unpaid balance. If unpaid accounts are collected through legal proceedings by an attorney, the client will pay reasonable costs and attorney's fees, or salary, fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative. Verbal or telephonic orders for additional services may be verified or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institutions or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less (samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (such as 48 hours) must be delivered the same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

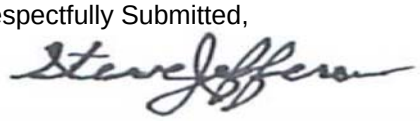
Attention: Ric Vardel
Report Date: 14-Jan-19 23:45
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0103-01) Collected: 05-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA90520	0.1	05-Jan-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90521	0.05	05-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA90517	1.8	08-Jan-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA90517	1.8	08-Jan-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0103

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/5	1000	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
GlobalID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric VARDEL (IPC)	1/5	1005
Received by			
Relinquished by	Jose L Gomez	1-5-19	1005
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	1-5-19	11:56

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (or delivered content) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the Client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software or systems used by PCL.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent companies from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all court fees, attorneys' fees, litigation expenses and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or subsequent handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property; and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to "silver, claims and suits, actions of any kind and character, arising out of or in connection with the negligence of or fraudulent conduct by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required but all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all of its applicable law, any amount owed on the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law of one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are expended because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. As analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

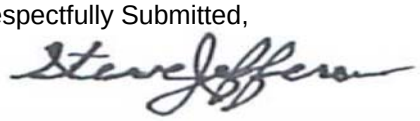
Attention: Ric Vardel
Report Date: 14-Jan-19 23:49
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0107-01) Collected: 06-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA90623	0.1	06-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90624	0.05	06-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA90620	1.8	09-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA90620	1.8	09-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0107

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Ric VARDEL	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	1/6	0940	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	1/6	0940	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric VARDEL (IPC)	1/6	0945
Received by		Alex Walker Jr	1/6/19	10:00
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	1/6/19	1130

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all invoices rendered or is otherwise in breach of this agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information. Standard laboratory PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not distribute any third party any information concerning technical information, software program or other formulations.

10. Hold Harmless

Client releases and at its sole, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, attorneys fees (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, or use of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to liens, claims, damages, actions of every kind and description arising out of or in connection with the negligence of or breach of contract by any unqualified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's authorized price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due at or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (with within thirty (30) days from date of invoices. To the fullest extent permitted by at all be applicable law, any amount subject to invoice or thirty (30) days is subject to interest at the rate of the maximum rate permitted by law of one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are referred to an legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees as readily been associated with such collection procedure or efforts.

13. Agreement Modification

Changes or modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL client or to client's services hereunder for his own account, and not as agent or broker, or in any other representative capacity to any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting or continuation of any securities, any periodic or other reporting to the holders of any securities, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification of contracting with, dates by or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

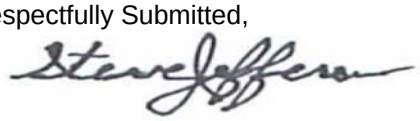
Attention: Ric Vardel
Report Date: 14-Jan-19 23:55
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0131-01) Collected: 07-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA90934	0.1	07-Jan-19 (SJ)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90820	0.05	08-Jan-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA90733	1.8	09-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA90733	1.8	09-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0131

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: C. Cadena	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/07/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Cadena	Carlos Duran (Cal)	01/07/19	
Received by	EC Carlos	M	1/7/19	1145
Relinquished by	EC Carlos	M	1/7/19	1310
Received by				
Relinquished by				
Received in lab by			1-7-19	1310

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided hereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Clients will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients, or until a history of payment and/or credit has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (XX) (e.g. Net thirty (30) days from date of invoices. To the fullest extent permitted by or will by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the union of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients' authorized representative, except that subsequent orders for additional services may be verbal or by writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished to PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

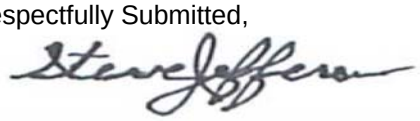
Attention: Ric Vardel
Report Date: 14-Jan-19 23:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0172-01) Collected: 08-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA90934	0.1	08-Jan-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90933	0.05	09-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA90821	1.8	10-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA90821	1.8	10-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0172

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: Carlos Alvarez	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/08/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	01/08/19	
Received by	Ele	Carlos (MM)	1/8/19	1200
Relinquished by	Ele	Carlos (MM)	1/8/19	1320
Received by				
Relinquished by				
Received in lab by		PC	1.8.19	1320

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use appropriate methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of PCL's reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other trade secrets.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to attorney fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and / or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or allowed by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or effort.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any benefit or other reporting to the holders of any security, the securing, assumption, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analytes are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal order will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage term.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jan-19 00:11
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0174-01) Collected: 08-Jan-19 By C.A.						
Boron	EPA 200.7	AA90926	0.10	10-Jan-19 (AF)	0.30 mg/l	
MBAS	SM 5540C	AA90931	0.20	09-Jan-19 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AA90927	5	09-Jan-19 (WW)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AA91015	0.15	10-Jan-19 (LA)	2.88 mg/l	
Total Dissolved Solids	SM 2540C	AA90937	5	10-Jan-19 (EA)	620 mg/l	
Chloride	EPA 300.0	AA90939	1.0	10-Jan-19 (AV)	224 mg/l	
Sulfate as SO4	EPA 300.0	AA90939	0.5	10-Jan-19 (AV)	79.2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/15/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0174

Customer: IPC, Inc.		Project : (MCC) Monthly EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
		Report Attention: C.	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/08/19	1100	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (PCL)	01/08/19	
Received by	Eb	ale (PCL)	1/8/19	1200
Relinquished by	Eb	(PCL)	1/8/19	1320
Received by				
Relinquished by				
Received in lab by		PCL	1-8-19	1320

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (LEAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the safe and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered. It is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any details about confidential technical information, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. I injury, disease or death of persons 2. loss of, damage to, loss of, or misuse of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims (attorneys fees, attorneys of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all Bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or work/goods quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or those without a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or assists from in connection with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not circulated, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, i.e. 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-19 13:20
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0171-01) Collected: 08-Jan-19 By CA						
Ammonia as N	EPA 350.1	AA90928	0.10	09-Jan-19 (SGS)	0.19 mg/l	
Biochemical Oxygen Demand	SM 5210B	AA90929	2	14-Jan-19 (SGS)	2 mg/l	
Nitrate as N	EPA 353.2	AA90935	0.20	09-Jan-19 (LA)	5.68 mg/l	
Nitrite as N	EPA 353.2	AA90935	0.02	09-Jan-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AA90936	0.10	10-Jan-19 (LA)	0.69 mg/l	
Total Suspended Solids	SM 2540D	AA90938	1	09-Jan-19 (EA)	4 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0171

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/08/19	1100	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (GRC)	01/08/19	
Received by	EC	Carlos (GRC)	1/8/19	1200
Relinquished by	EC	Carlos (GRC)	1/8/19	1320
Received by				
Relinquished by				
Received in lab by		PCL	1/8/19	1320

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereinbelow) under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and (ii) an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or substantial completion of services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's purchase order shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LUFT), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (albeit to such information is generally available to the public or in the public domain) or client has failed to pay PCL for all services rendered, or in contravention or breach of the agreement subject to any exception outlined below or to legal process. PCL shall use the same standard of care as it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of data, where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees that shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other innovations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and expenses including, but not limited to, attorneys' fees and costs of suit, (collectively, Expenses) and agrees to assume in favor of PCL to any third party, as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and (1) if applicable, handling or disposal of client's hazardous materials, 1) injury, illness or death of persons2) loss of, damage to, or destruction or use of property and/or 3) financial loss of every kind or character. This indemnity shall apply to any of the foregoing losses, costs, damages, or expenses sustained by the extent negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character, actual or alleged, in connection with the negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, fees for pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) (the collective "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered in accordance with the terms and conditions of billing. The price schedule is subject to change at any time without notice. Payment in advance or in a manner as requested is required for all work unless credit terms (payment after work is performed) has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH without discount from date of invoice. Invoice shall be considered past due if all or any applicable part of any invoice subject to interest at the rate of 1½% per month (18% per annum) or the maximum rate permitted by law, whichever is less, on the unpaid balance. If suit or all fees are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees of equity from any court with jurisdiction and collection and/or suit.

13. Agreement Modification

Changes or modifications or amendments to this contract shall be effective only if in writing and executed by an authorized officer of each party. Any oral agreement or any oral subsequent consent to waive terms may be enforced or be in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is acting as an independent contractor and not as agent or broker or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used to rely upon in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the Federal any security, the issuing, amendment, renewal, or extension of any loan, lease, any financial instrument or other similar in the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and shortest deadlines should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 16 days or less, samples must arrive within 96 hours to allow PCL to meet holding time without applying a rush surcharge. All short holding time, 24 hour, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hour or less (nitrate) are hours must be delivered next same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times were effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. The arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. If no specific time has been indicated for a pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

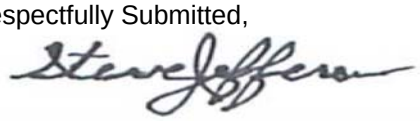
Attention: Ric Vardel
Report Date: 23-Jan-19 13:23
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19A0173-01) Collected: 08-Jan-19 By MM						
Biochemical Oxygen Demand	SM 5210B	AA90929	2	14-Jan-19 (SGS)	407 mg/l	
Total Suspended Solids	SM 2540D	AA90938	1	09-Jan-19 (EA)	146 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0173

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/08/19	1130	1	TSS	Grab	AQ	1L P	4°C	
1	1	1	1	BOD	Grab	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (EPC)	01/08/19	
Received by		Carlos	1/8/19	1200
Relinquished by		Carlos	1/8/19	1320
Received by				
Relinquished by				
Received in lab by		PLC	1-8-19	1320

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. Any modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these Terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total Liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and the conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not disclose the data to any third party (hereinafter all such data is collectively referred to as "Confidential Information"). Client agrees that PCL reports are confidential and provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of the reports and information. Client will not disclose to any third party any information concerning testing methodologies, results or findings of PCL.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims (including 3 hours of action, suits and any costs, expenses, penalties and fines incurred in connection therewith (including attorneys' fees) and interest arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, or loss of, or loss of use of property; and/or 3. Financial loss of every kind or character. This indemnity shall not apply to any of the foregoing to the extent damages or liability caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity is not specifically applicable to claims, losses, damages, actions of every kind and character arising out of and in connection with work that negligence of or breach of contract by any indemnified person, whether actively or allegedly, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall have the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous materials received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of agreement or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Pursuant to statutes or where a credit is extended or has been established or until a history of payment and credit is established with PCL, for those clients with an established client account, the terms for payment of charges are NET EACH within thirty (30) days from date of invoice. To the fullest extent permitted by law, a late charge, any amount unpaid after thirty (30) days is subject to interest at the rate of 1½% per month (18% per annum) and one-half percent (.5%) per month on any unpaid balance, or capped at the rate established through legal proceedings, or by an attorney. The client shall pay reasonable collection costs and attorney's fees or assess client's account with collection fee, procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative. Except for subsequent orders for additional services, no verbal modifications.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is assuming sole responsibility for the billing account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on particular information or opinion. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any person, or other solicitation by the holders of any security, the pledging, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 48 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (≤7 days, samples must arrive at the lab within 24 hours before it is unlikely to meet the holding times can be met. Short Holding Times of 48 hours or less (turnaround hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are subject as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods by request only. Fee arranged long term storage is subject to an additional charge. Samples will be discarded at the end of storage arrangement unless

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for a set pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jan-19 00:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0228-01) Collected: 09-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91018	0.1	09-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91017	0.05	10-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA90932	1.8	11-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA90932	1.8	11-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/15/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0228

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: Golan Kfir	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/9/19	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	1/9/19	12:05
Received by EG	Evan Gale JCL	1/9/19	1230
Relinquished by EG	Evan Gale JCL	1/9/19	1
Received by			
Relinquished by			
Received in lab by	PIL	1.9.19	1230

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification as or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jan-19 00:05
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0256-01) Collected: 10-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91111	0.1	10-Jan-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91110	0.05	11-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91016	1.8	12-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91016	1.8	12-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/15/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 14A0256

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Golan Kfir	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/10/19	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/10/19	12:17
Received by: CC	Frank pcl	1/10/19	12:30
Relinquished by:			1230
Received by: CC	Frank pcl	1/10/19	1400
Relinquished by:			
Received in lab by:	PCL	1.10.19	1400

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LEAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data, which shall mean any and all PCL reports and information provided thereto are for the exclusive use and benefit of Client and do not agreed there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information containing technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent, harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, attorneys' fees (the Litigation Expenses) and expert witness fees of Client or any third party, as a result of, and/or in any way or setting incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, misuse of use of property and/or 3. financial loss of every kind and character arising out of or in connection with the negligence or misconduct of any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnification will be in addition to any liability which the Client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazards as Materials. PCL reserves the right to charge the client for the disposal of stored samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of open account on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services or containers is requested for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as by applicable law, any amount unpaid within said thirty (30) days is subject to and shall at the time of the next invoice date permitted by law, include and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client to all payments, costs and attorney's fees or expenses incurred with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by others authorized representative, except that subsequent orders for additional services may be placed orally or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. PCL is providing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to necessitate, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any persons, or other creditors by the holders of any security, the renewal, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. For analytes with holding times of 24 days or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 48 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (microbiology) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. We arrange long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been refined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be considered an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jan-19 00:08
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0272-01) Collected: 11-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91218	0.1	11-Jan-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91217	0.05	12-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91108	1.8	13-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91108	1.8	13-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/15/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19AO 272 ~~308~~

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C. Arom	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/11/19	0920	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.5 / 15.2 C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Arom	Carlos Arom (PCC)	01/11/19	
Received by		Cory (PCL)	1/11/19	11:13
Relinquished by		PCC	1/11/19	1:22
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-19 13:02
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0308-01) Collected: 12-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91313	0.1	12-Jan-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91424	0.05	12-Jan-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91216	1.8	16-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91216	1.8	16-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910308

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/12	0945	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric Vardel (IR)	1/12	1000
Received by			
Relinquished by	Jose L Gomez	1-12-19	1025
Received by			
Relinquished by			
Received in lab by	Jordan Corleery	1-12-19	1218

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No separate or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and our proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is given or available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information if such standard was followed. PCL reports and information provided pursuant to this agreement are for the exclusive use and benefit of client and client agrees they shall not be used by third party beneficiary of our reports, data or information. Client will not disclose to any third parties any information pertaining to technical information, software protocols or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (litigation expenses) and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring, incident or arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons, 2. Loss of, damage to, loss of, or loss of use of property, and/or 3. Financial or moral injury suffered by any third party. This indemnity does not apply to any of the foregoing losses, costs, damages or claims caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, liens, demands, actions of any kind and character arising out of client's connection with the negligence or breach of contract by any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by adequate liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified parties in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples/materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the date the services were rendered or work prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all work unless or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by all applicable law, any amount owed to the extent not paid when due shall bear interest at the rate of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any other collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by the or authorized representative, stating that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as an agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that such data, information and reports are not requested, or shall be used to resell such, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client at request. For analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) it is best/must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is on request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage term.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-19 13:07
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0313-01) Collected: 13-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91639	0.1	13-Jan-19 (SJ)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91424	0.05	14-Jan-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91310	1.8	15-Jan-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91310	1.8	15-Jan-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0313

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Ric VARDEL	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/13	1000	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	4	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric VARDEL (IPC)	1/13	1015
Received by		Alex Walker Jr	1/13/19	10:43
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	1/13/19	1235

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addition or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the Client of PCL's offer to do business with the Client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provision to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent that Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is for public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data which was provided was obtained PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software or programs or other formulations.

10. Hold Harmless

Client releases and will save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (during trial and appeal) and costs arising in favor of client, or any third party as a result of, related in any way to arising, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or client's failure, handling, or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. loss of, damage to, use of, or loss of use of property and/or 3. financial loss of every kind of that sort. This indemnity shall apply to any of the foregoing losses, costs, damages or injuries caused solely by PCL's negligence and/or misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, damages, actions of every kind and character arising out of or in connection with the negligent acts or omissions of persons by any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing provisions will be in addition to any liability which the client might otherwise have to PCL and the other indemnified parties. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be maintained by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnifies persons in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Substances"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or such other agreed upon terms mutually in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon analysis is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, payment for services or charges are NET 30/60 within thirty (30) days from date of invoices. To the fullest extent permitted by or set by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest or payment of the maximum rate permitted by law, or one and one half percent (1.5%) per month, on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees, as well as court costs associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to this contract are effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not expected, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are achieved because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (microbiology) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been related on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-19 13:10
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0345-01) Collected: 14-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91639	0.1	14-Jan-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91634	0.05	15-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91443	1.8	16-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91443	1.8	16-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0345

Customer: L-3 ~~Communications~~ Technologies Ocean Systems

Project :

Address: 15825 Roxford St
Sylmar CA 91342

Sampled by: Daniel Castellanos

Report Attention: Ilya Kazhokin

P.O. #:

Phone #: (818) 833-2109

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
Storm Water Sample	1/14/19	7:50	1	TSS, pH, Conductivity	Grab	AQ	Plastic (1 liter)	4°C	PH 7
	1/14/19	7:50	1	Oil & Grease			Glass (1 liter)	Sulfuric	

Location: EAST PARKING LOT

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Castellanos	1/14/19	3:06
Received by	(PCL)	1/14/19	3:06
Relinquished by	(PCL)	1/14/19	4:49
Received by			
Relinquished by			
Received in lab by	PCL	1.14.19	16:40

Sample Received Checklist 4

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additional amendments hereto which we agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and/or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories' (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written (letter of custody (LOC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unwilling/unintentional disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning PCL's testing methodologies, software, programs or other intellectuals.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses to third party claims, demands, actions or causes of action, costs and associated expenses including, but not limited to, all court fees (but not limited to Expenses) and awards arising in favor of client or any third party, as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or client's performance, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. claims of any kind of character. This indemnity does not apply to any of the foregoing where such claims are ultimately caused solely by the gross negligence or willful misconduct of PCL, its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples/materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asp/lab bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in full is due when analysis is completed is required for all new clients or until a history of payment and satisfactory account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30 days unless thirty (30) days from date of invoice. To the fullest extent permitted by law by applicable law, an amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate determined by law, or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client or authorized representative. Verbal or subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL will have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is solely liable to provider for its own payment, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used or relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, Site delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-19 13:13
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0395-01) Collected: 15-Jan-19 By Carlos Alvarez						
pH	SM4500-H-B	AA91639	0.1	15-Jan-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91634	0.05	16-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91526	1.8	17-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91526	1.8	17-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910395

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C. Ch	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	01/15/19	1310	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.59/17.5°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C. Ch	Carlos Alvarado (SSC)	01/15/19	1403
Received by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	1/15/19	1403
Relinquished by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	1/15/19	1730
Received by:			
Relinquished by:			
Received in lab by: PL		1.15.19	1730

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-19 16:38
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0397-01) Collected: 15-Jan-19 By CA						
Ammonia as N	EPA 350.1	AA91708	0.10	17-Jan-19 (SGS)	0.12 mg/l	
Biochemical Oxygen Demand	SM 5210B	AA91641	2	21-Jan-19 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AA91635	0.20	16-Jan-19 (LA)	3.37 mg/l	
Nitrite as N	EPA 353.2	AA91635	0.02	16-Jan-19 (LA)	0.05 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AA91714	0.20	23-Jan-19 (LA)	0.52 mg/l	
Total Suspended Solids	SM 2540D	AA91630	1	16-Jan-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 14A0397

Customer: ~~IPC, Inc.~~		Project: ~~(MCC) Weekly EFF~~	
Address: ~~9297 Research Drive~~ Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/15/19	1310	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (CAA)	01/15/19	1404
Received by	MARIO SANTIESTEBAN (PCL)	1/15/19	1424
Relinquished by	MARIO SANTIESTEBAN (PCL)	1/15/19	1730
Received by			
Relinquished by			
Received in lab by		1.15.19	1730

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab)	(AQ) - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

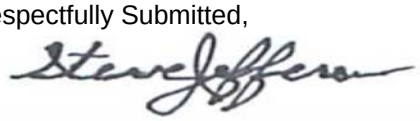
Attention: Ric Vardel
Report Date: 23-Jan-19 13:25
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19A0399-01) Collected: 15-Jan-19 By MM						
Biochemical Oxygen Demand	SM 5210B	AA91641	2	21-Jan-19 (SGS)	207 mg/l	
Total Suspended Solids	SM 2540D	AA91630	1	16-Jan-19 (SGS)	137 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0399

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Mohamad Monghasem	P.O. #:
Irvine CA 92618		Report Attention: ~~Ric Vardel / Golan Kfir~~	Phone #: ~~949-382-9067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/15/19	11:30	1	TSS	Grab	AQ	1L P	4°C	
	01/15/19	11:30	1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
~~Global ID: WDR100000358~~

Signature	Print Name (Company)	Date	Time
Relinquished by	Mohamad Monghasem	01/15/19	1405
Received by	MARIO SANTIESTEBAN (PCL)	1/15/19	1405
Relinquished by	MARIO SANTIESTEBAN (PCL)	1/15/19	1730
Received by			
Relinquished by			
Received in lab by	PCL	1.15.19	1730

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
AQ - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

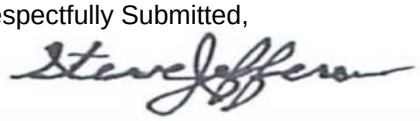
Attention: Ric Vardel
Report Date: 23-Jan-19 13:15
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0438-01) Collected: 16-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91727	0.1	16-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91718	0.05	17-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91632	1.8	18-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91632	1.8	18-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 14A0438

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Carlos Alvarez	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	01/16/19	0910	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.38 17.1°C
"	"		1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	01/16/19	
Received by	Jairo. M (PCL)	1/16/19	11:30
Relinquished by			
Received by			
Relinquished by			
Received in lab by		1/16/19	1130

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not conform to the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methods/digest which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgment of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such disclosure was otherwise. PCL reports are confidential to client and client agrees that it will be the only party to receive any of such reports, data or information. Client will not disclose to any third party any information concerning technology information, software programs or other proprietary.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and expenses (including, but not limited to, all costs, fees and expenses of experts and attorneys relating to any of them) or any third party, arising in any way out of, directly or indirectly in connection with the performance or omission by PCL pursuant to this agreement and/or the handling, testing or disposal of client's hazardous materials 1. injury, disease or death of persons 2. loss of, damage to, use of, or loss of use of property and/or 3. the pollution of rivers, bays, or tidal flats. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses which solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of any party or person not by any indemnified Person, who are actively engaged in the performance of services which this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profits), attorneys' fees, expert witness fees or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples and materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any of microbiological analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operation on the date the services were rendered or, with prices quoted and later confirmed in writing, the price schedule is subject to change at any time without notice. Payment in advance of when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (30) days from date of invoice. In the future except government that all be enforceable (and client consents thereto) in the end of thirty (30) days, subject to interest at the lesser of the maximum rate permitted by law in your and one half percent (1.5%) per month on the unpaid balance. If unpaid accounts are collected through legal action and/or by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any applicable collection procedure or efforts.

13. Agreement Modification

Changes, modifications, amendments or additions to the Terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative. Unless otherwise stated, subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished to PCL. Client's receiving services hereunder for its own account and not as agent or broker, or in any other representative capacity for any other person or entity. You agree and acknowledge that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not provided, or shall be used to resell about, in connection with or as part of, any plan, trade, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged or accepted. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal order will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed on or to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 days or less, samples must arrive within 48 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding Times of 24 hours or less (typically 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are subject as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: _____

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: JULIO LEAL	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01-16-19	10:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	1-16-19	
Received by	Jairo M (P&L)	1-16-19	1:50
Relinquished by			
Received by			
Relinquished by			
Received in lab by	P&L	1.16.19	1150

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addituons or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is free public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client without disclosing any confidential information concerning technical information, software programs or other financial matters.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. The indemnity described apply to any of the foregoing losses, suits, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to actual, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have on PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and / or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined to identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order, the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment of 25% or other amount is required for all new clients or clients without a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees on appeal. Each agreement with each collection procedure is effects.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client in securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab in less 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jan-19 16:37
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0470-01) Collected: 17-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91727	0.1	17-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91822	0.05	18-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91712	1.8	19-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91712	1.8	19-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0470

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	01/17/19	1000	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42/14.8°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PCL)	01/19/19	1212
Received by	MARIO SANTIESTEBAN (PCL)	01/19/19	1212
Relinquished by	MARIO SANTIESTEBAN (PCL)	1/17/19	1440
Received by			
Relinquished by			
Received in lab by		1/17/19	1440

Sample Received Checklist

Temperature upon receipt:	4
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and reasonable expenses including, but not limited to, attorneys' fees (including expenses and costs) arising in favor of Client or any third party as a result of, arising in any way, claiming, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or 1. transportation, handling or disposal of client's hazardous materials; 2. injury, disease or death of persons; 3. loss of, damage to, loss of use or loss of use of property; and/or 4. breach or loss of warranty (if applicable). This indemnity does not apply to any of the foregoing losses, costs, damages, or claims caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive sample materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services is completed is required for all new clients or until a history of payment and/or credit approval has been established with PCL. For those clients with an established client account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the expiration of thirty (30) days is subject to interest at the lesser of the maximum rate allowable by law or one and one half percent (1.5%) per month on unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees (or agency fees authorized with such collection procedure or statute).

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

Client and PCL have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acting for its own benefit, and not as agent or broker, or in any other representative capacity for any other person or entity. It is understood and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (excluding 0 to 6 hours) must be delivered that same day/or order to guarantee holding times are met. After-hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

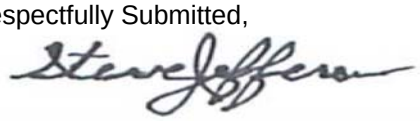
Attention: Ric Vardel
Report Date: 25-Jan-19 16:42
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0537-01) Collected: 18-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91926	0.1	19-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA91925	0.05	19-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91812	1.8	20-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91812	1.8	20-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0537

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/18/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.4/18.3°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/18/19	11:29
Received by			1/18/19	11:29
Relinquished by			1/18/19	4:40
Received by				
Relinquished by				
Received in lab by			1/18/19	1640

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or her/its successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of the agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LEAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with these recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information whose such standard was observed. PCL reports and information provided hereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information regarding technical information, software programs or other proprietary.

10. Hold Harmless

Client releases and at all times indemnifies, defends and holds PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys fees (for litigation, arbitration and appeal) and expert fees arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. loss of, damage to, loss of use of, or loss of use of property and or 3. financial loss of every kind or character. This indemnity shall not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any unidentified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples and results for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portion of samples as specified by Client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, or in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is required on emails sent/or as completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted (if at all) by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees (for against) fees associated with such collection and recovery efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by authorized PCL and its clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client's sampling services hereunder for his own account, and not as agent or broker, or on any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries of this agreement, and that no third party may rely on any data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to lend credit or assistance with respect to the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender of the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior modification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (2-7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered the same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage term.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

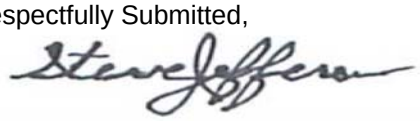
Attention: Ric Vardel
Report Date: 25-Jan-19 16:46
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0542-01) Collected: 19-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91926	0.1	19-Jan-19 (SJ)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92025	0.05	20-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA91924	1.8	21-Jan-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA91924	1.8	21-Jan-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0542

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Ric Vardel	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/19	0910	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	1/19	0910	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric Vardel (IPC)	1/19	0915
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	1/19/19	1145
Received by				
Relinquished by				
Received in lab by		Jordan Corkern	1/19/19	1325

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample(s) or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement subject to any processes required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL's reports, invoices or provided materials are for the exclusive use and benefit of client and client agrees these shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other trade secrets.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and associated expenses (including, but not limited to, attorneys' fees) suffered, incurred and awarded arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with, any performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Except from indemnity shall specifically apply to injury, claim, cost, loss, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person or claims from which this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples/materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aircraft bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect for the area of operation and the date the services were rendered or work orders issued and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance of analysis may be required. Client's request for all new clients or until a history of payment and/or credit approval has been established with PCL. For those clients with an established credit account, the terms for payment of all charges are NET EACH within thirty (30) days from date of invoice. To the fullest extent permitted by law or by applicable law, any amount unpaid by client after thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any amounts due and owing, including interest.

13. Agreement Modification

Changes to or additions or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative. Orders for additional services may be verbal or oral.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is solely responsible for his or her own actions, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on client data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or continuation of any securities, any private or other ownership in the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are extended because of samples that arrive delivered on weekends or after 2pm on weekdays without prior notification and concurrence. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times of 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Those holding times of 48 hours or less (3 days or 72 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

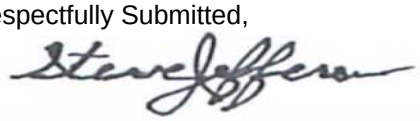
Attention: Ric Vardel
Report Date: 25-Jan-19 16:49
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0546-01) Collected: 20-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA91926	0.1	20-Jan-19 (SJ)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92119	0.05	21-Jan-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92022	1.8	24-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92022	1.8	24-Jan-19 (JC)	170.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0546

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/20	0920	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		RicVARDEL (IPC)	1/20	0955
Received by		Jordan Corkery	1/20	1340
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	1/20	1435

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

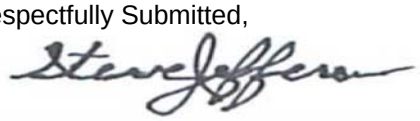
Attention: Ric Vardel
Report Date: 25-Jan-19 16:52
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0595-01) Collected: 21-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA92516	0.1	21-Jan-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92226	0.05	22-Jan-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92128	1.8	23-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92128	1.8	23-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0595

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	01/21/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.5 / 19.0°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (IPC)	01/21/19	1325
Received by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	1/21/19	1325
Relinquished by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	1/21/19	1450
Received by:			
Relinquished by:			
Received in lab by:		1.21.19	1450

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No counter or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are substantially conformed with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary or any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the test pre materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public, or to the extent client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or court process. PCL may use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data, provided such standard was met. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that it shall not distribute any or all reports, data or information Client will not disclose to any third party any information concerning technical information, software, processes or other know-how.

10. Hold Harmless

Client releases, indemnifies, defends and holds PCL, its employees, officers, directors, agents, affiliates harmless (collectively "Harmless") from and against any and all liabilities, judgments, damages, claims, demands, losses, actions, suits, and costs and expenses, including, but not limited to, attorneys' fees (collectively "Liabilities"), and covenants not to sue PCL in favor of Client or any third party as a result of, and/or in any way arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, illness or death of persons, 2. cost of damage to, or loss of, or loss of use of property, and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages or injuries caused solely by the gross negligence or willful misconduct of PCL, or its employees. Further, this indemnity shall specifically apply to, without limitation, attorney's fees and costs for any and all claims, losses, actions, suits and damages arising out of client's connection with the negligence or presumed conduct by any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs) incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are listed, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order by PCL. Unless otherwise stated in writing, the price schedule is subject to change at any time without notice. Payment in advance or cash on delivery may be required for all new clients or clients who have not established credit with PCL. For those clients with established credit accounts, the terms of payment are NET 30 days from invoice date unless otherwise noted in invoices. To the fullest extent permitted by law and by applicable law, any unpaid amounts invoiced to client shall bear interest at the rate of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance, if greater as more particularly provided in the invoice. In addition, client shall pay all costs and expenses (including reasonable attorney's fees) incurred by PCL in connection with the collection of such amounts.

13. Agreement Modification

Changes, modifications or amendments to the terms of this agreement are binding only if executed by both parties and if such modifications are identified as such. Subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is engaging services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are neither any third party beneficiaries to this agreement, and that no third party may rely on work, data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used or relied upon, in connection with or as part of the purchase, sale, underwriting, or syndication of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 72 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (analysis is 0 hours) must be delivered that same day to allow to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to ensure holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been indicated on the fee schedule. Reasonable time has been provided for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

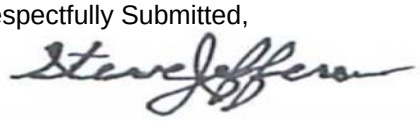
Attention: Ric Vardel
Report Date: 28-Jan-19 16:00
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0596-01) Collected: 21-Jan-19 By CA						
Ammonia as N	EPA 350.1	AA92229	0.10	22-Jan-19 (SGS)	0.13 mg/l	
Biochemical Oxygen Demand	SM 5210B	AA92234	2	27-Jan-19 (VL)	<2 mg/l	
Nitrate as N	EPA 353.2	AA92230	0.10	22-Jan-19 (SGS)	3.92 mg/l	
Nitrite as N	EPA 353.2	AA92230	0.02	22-Jan-19 (SGS)	0.04 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AA92236	0.10	23-Jan-19 (LA)	0.86 mg/l	
Total Suspended Solids	SM 2540D	AA92232	1	22-Jan-19 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/28/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910596

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:** C.	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/21/19	1130	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (GPC)	01/21/19	1324
Received by:	MARJO SANTIESTEBAN (PCL)	1/21/19	1324
Relinquished by:	MARJO SANTIESTEBAN (PCL)	1/21/19	1450
Received by:			
Relinquished by:			
Received in lab by:		1.21.19	1450

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or the client fails to pay PCL for all services rendered or any service or breach of the agreement) subject to any applicable measure by law or legal process any more than the same standard of care it uses in protecting its own confidential data and shall not divulge to any unauthorized employee of said data except to the extent such disclosure is necessary for the performance of its services. Client agrees that PCL may use any reports issued to client hereunder, provided however that the exclusive property of client and client agrees that PCL shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other innovations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to attorneys fees (the litigation Expenses) and awards, arising in favor of Client or any third party as a result of, related in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. [theory, discovery or tests of persons 2. Loss of damage to, loss of, or use of property, and/or 3. Financial loss of every kind and character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity is not specifically applicable to losses, claims, damages, or liability of every kind and character arising out of or in connection with the negligence of or breach of a contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnification obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulation (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portion of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of commission of the work the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when service is completed is required for all new clients or with a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30DAYS which means 30 days from date of invoice. To the fullest extent permitted by law, PCL shall be entitled to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are referred to collection agency and/or by an attorney, the client shall pay reasonable costs and attorney's fees or expenses from a dispute with no collection proceeding or action.

13. Agreement Modification

No waiver, modification or amendments to the terms shall be effective unless in writing and executed by an officer of PCL and Client or authorized representative. Verbal or subsequent orders for additional services may be initiated in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is assuming services hereunder for its own account and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the publication, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institutions or other lender or the application to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any sampled being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (6 hours or less must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage term.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

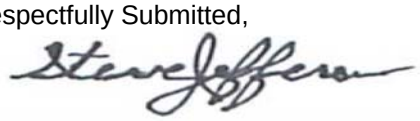
Attention: Ric Vardel
Report Date: 28-Jan-19 16:42
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19A0594-01) Collected: 21-Jan-19 By MM						
Biochemical Oxygen Demand	SM 5210B	AA92234	2	27-Jan-19 (VL)	462 mg/l	
Total Suspended Solids	SM 2540D	AA92232	1	22-Jan-19 (EA)	163 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/28/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19405 94

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** Mohamad Monghasem	**P.O. #:**
Irvine CA 92618		**Report Attention:** ~~Ric Vardel / Golan Kfir~~	**Phone #:** ~~949-282-9067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01,21,19	1125	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mohamad Monghasem	01,21,19	1325
Received by	MARIO SANTIESTEBAN (PCL)	1/21/19	1325
Relinquished by	MARIO SANTIESTEBAN (PCL)	1/21/19	1450 ~~1458~~
Received by			
Relinquished by			
Received in lab by		1-21-19	1450

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity which may request laboratory services consisting in sampling services and by or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only on the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement covering which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The client's delivery of samples to PCL or utilization of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Client has tried to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or by a court. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of Client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all suits, claims, losses, damages, costs, demands, causes of action, liabilities and associated expenses (including but not limited to attorneys' fees, litigation expenses and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or in connection herewith, or disposal of client's waste hereunder), 1. injury, disease or death of persons 2. loss of, damage to, loss of use of, or loss of value of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing arising under damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or violation of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any rights which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by aviation liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or attorney fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any intermediate parties in connection with this agreement or as services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services is completed is required for all new clients or with a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are submitted through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL or by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for Client's use of or reliance on data, information, or reports furnished by PCL. Client is ordering services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or securitization of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without incurring a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is a 6 hours) must be delivered that same day or under to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional cost/fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is on request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

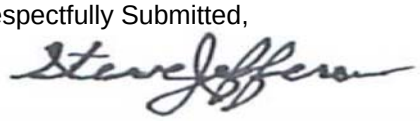
Attention: Ric Vardel
Report Date: 25-Jan-19 16:55
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0624-01) Collected: 22-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA92516	0.1	22-Jan-19 (SJ)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92338	0.05	23-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92237	1.8	24-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92237	1.8	24-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0627

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/22/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Rivera (GSE)	01/22/19	
Received by	[illegible]	1/22/19	1215
Relinquished by	[illegible]	1/22/19	1315
Received by			
Relinquished by			
Received in lab by		1-22-19	1315

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

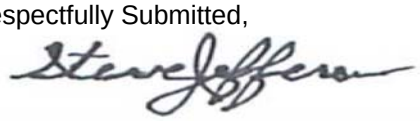
Attention: Ric Vardel
Report Date: 25-Jan-19 16:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0678-01) Collected: 23-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA92516	0.1	23-Jan-19 (SJ)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92419	0.05	24-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92336	1.8	25-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92336	1.8	25-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0678

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:** Carlos Alvarez		**P.O. #:**
	Report Attention: Ric Vardel / Golan Kfir		**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/23/19	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPL)	01/23/19	
Received by	[illegible]	1/23/19	1220
Relinquished by	[illegible]	1/23/19	1400
Received by			
Relinquished by			
Received in lab by		1/23/19	14:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and any related expenses, including, but not limited to attorneys' fees (the Litigation Expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of Client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity shall not apply to any of the foregoing losses, suits, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, causes of action, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, Bacteria or any other hazardous or toxic material, waste and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. Each price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. To ensure clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law all by applicable law, any amount unpaid on this account thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amount is put collected through legal proceedings, suit or attorney, client shall pay reasonable costs and attorney's fees in addition to any costs associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and (i) Client, authorized representative, (ii) any subsequent orders for additional services shall be deemed to be in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as pursuant, the purchase, sale, underwriting, or distribution of any securities, any person, or other recipient (or the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without apply rush surcharge. All short holding times (7 days), samples must arrive at the lab within 72 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (pH, DO's in 15 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for, at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, may be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

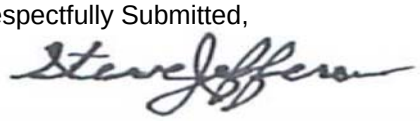
Attention: Ric Vardel
Report Date: 28-Jan-19 15:55
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0716-01) Collected: 24-Jan-19 By Ric Vardel						
pH	SM4500-H-B	AA92516	0.1	24-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92512	0.05	25-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92418	1.8	26-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92418	1.8	26-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/28/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 14A0716

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/24/19	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (Gde)	01/24/19	
Received by:	Carlos	1/24/19	2:30
Relinquished by:	Carlos	1/24/19	1400
Received by:			
Relinquished by:			
Received in lab by:		1.24.19	1400

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LEAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the raw data materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standards of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other proprietary.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees, fines, Litigation Expenses and awards, arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property, and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character, arising out of or in connection with the negligence and/or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (wastes), now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when service is completed is required unless credit or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law at one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents fees associated with such action, court costs and or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective upon writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It agrees and acknowledged that there are no third party beneficiaries to PCL agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, or periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 36 hours or less, (Ex:Nitrate is 48 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Jan-19 15:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0744-01) Collected: 25-Jan-19 By Golan Kfir						
pH	SM4500-H-B	AA92620	0.1	25-Jan-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92619	0.05	26-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92511	1.8	27-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92511	1.8	27-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/28/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 144744

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/25/19	11:52	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	11/25/19	11:57
Received by	Jaird M (PLC)	11/25/19	12:20
Relinquished by			
Received by			
Relinquished by			
Received in lab by	PLC	11.25.19	1220

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations	
HC - HCl	
HS - H_2SO_4	
HN - HNO_3	
HP - H_3PO_4	
OH - NaOH	
ST - Sodium Thiosulfate	
AA - Ascorbic Acid	
AI - $AlCl_3$	
Cu - $CuSO_4$	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "Services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that it shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party, as a result of, and/or in any way resulting in, directly or indirectly arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials 1. injury, disease or death of persons 2. loss of damage to use of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interests, or any other expenses or costs incurred by client or any other party, in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, Bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (as all or now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or work orders quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when sample is submitted is required for all new clients or upon establishment of payment and/or credit account has been established with PCL. For those clients with established credit account, the terms for payment of charges are NET EXCEPTION thirty (30) days from date of invoice. To the fullest extent permitted by or all by applicable law, any amount unpaid in thirty and (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or awards that are calculated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and the client or authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is retaining services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person to apply. It is agreed and acknowledged that these and other duly bargained for to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall be used to relied upon in connection with or as part of the purchase, sale, underwriting, or issuance of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institutions or other lender or the certification to or client acting with, directly or indirectly, any government agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior authorization and acceptance. Standard holding times and storage conditions are shown on price sheet. Prior to any samples being received by PCL, a list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (analysis is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analytical has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Jan-19 16:02
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0752-01) Collected: 26-Jan-19 By Golan Kfir						
pH	SM4500-H-B	AA93036	0.1	26-Jan-19 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92722	0.05	27-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92618	1.8	28-Jan-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92618	1.8	28-Jan-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0752

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** Golan Kfir	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/26/19	1035	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	1/26/19	10:40
Received by			
Relinquished by Jose L Gomez	Jose L Gomez	1/26/19	10:48
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	1/26/19	12:18

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results delivered by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses to protect its own confidential data and shall not be responsible for unauthorized disclosure of said data, unless such disclosure was willful and PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any proprietary processing technique information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (like Litigation Expense) and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing to the extent damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to suits, claims, damages, actions of every kind and character arising out of or in connection with the negligence of the breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by Client, which coverage shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest)), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or work was started and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment satisfactory to PCL has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (as set forth) thirty (30) days from date of invoices. To the fullest extent permitted by all applicable law, any amount unpaid 30 thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid accounts are collected through an attorney-at-law or otherwise, the client shall pay reasonable costs and attorney's fees as against client associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative. Client's that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for Client's use of or reliance on data, interpretations or reports furnished by PCL. Client in securing services hereunder for his own account, and not as agent of broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or their syndication or participation with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria is 6 hours) must be delivered that same day. In order to guarantee holding times are met. After hours, site delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Jan-19 16:07
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0757-01) Collected: 27-Jan-19 By Golan Kfir						
pH	SM4500-H-B	AA93036	0.1	27-Jan-19 (SJ)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92817	0.05	28-Jan-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92721	1.8	29-Jan-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92721	1.8	29-Jan-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0757

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Golan Kfir	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/27/19	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	~	~	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	1/27/19	10:40
Received by	Jordan Corkery	1/27/19	12:90
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	1127/19	13:56

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or to the public domain or Client has filed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disseminate any third party any information concerning technical information, software, processes or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, claims, demands, causes of action, liens and associated expenses, including, but not limited to attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazard ous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption). Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples/ materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when invoice is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month or the highest allowed. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or assist with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and if signed by an officer of PCL and by client or authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services for his or her own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed, but acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to record upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the qualification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Jan-19 16:09
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0764-01) Collected: 28-Jan-19 By Golan Kfir						
pH	SM4500-H-B	AA93036	0.1	28-Jan-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA92923	0.05	29-Jan-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92823	1.8	30-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92823	1.8	30-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19Ao764

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/28/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/28/19	
Received by		Jaird M (PCL)	1/28/19	11:34
Relinquished by				
Received by				
Relinquished by				
Received by in lab by				

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the Price Schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or to the public because a client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such information unless such disclosure was due to PCL's gross negligence or willful misconduct. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that it will not knowingly benefit any third party from such information. Client will not disclose to any third party any information pertaining to the analytical methods, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (plus litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or in connection with handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity shall not apply to any of the foregoing losses, suits, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, the indemnity shall specifically apply to, cover, claims, damages, actions of every kind and character, arising out of or in connection with the negligence of or to acts of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have at PCL and the other indemnifying Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, litigation expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, as accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's quote for prices, and/or in effect at the time of quotation, or the time the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or where credit is to be established, a reasonable credit limit will be given. Client agrees that payment shall be made in accordance with PCL's then-current credit application. Client agrees to pay all charges are NET (Cash/within thirty (30) days from date of invoice). To the fullest extent permitted by law, PCL shall be entitled to any amount unpaid or delinquent more than thirty (30) days as subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney fees or agents fees in association with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments of the terms shall be effective only in writing and executed by an officer of PCL and by duly authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client in securing samples known to be for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not represented, or shall be used to rely upon, in connection with or as part of, the purchase, sale, underwriting, or distribution at any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or complying with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm for overnight without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 48 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (excepting 24 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

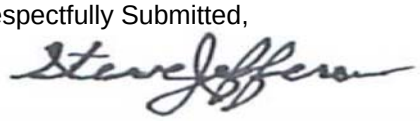
Attention: Ric Vardel
Report Date: 08-Feb-19 18:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0794-01) Collected: 29-Jan-19 By CA						
pH	SM4500-H-B	AA93036	0.1	29-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA93033	0.05	30-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA92926	1.8	31-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA92926	1.8	31-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/8/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0794

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C. Alvarez	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/29/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43/21.1°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	01/29/19	12:15
Received by	Armando Olmos (Pat-Chem)	1/29/19	12:15
Relinquished by	Armando Olmos (Pat-Chem)	1/29/19	13:35
Received by			
Relinquished by			
Received in lab by		1.29.19	1335

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the Terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information unless such disclosure was caused by PCL's reckless misconduct or willful misconduct. PCL reports and information provided hereunder are for the exclusive use and benefit of Client and no person other than Client shall be a third party beneficiary of our reports, data or information. Client will not disclose any such information without prior consent to technical information, software, equipment or other trade secrets.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to attorneys fees (the Litigation Expenses) and costs arising in favor of Client or any third party as a result of, and/or in any way according, incidental to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials, 1. injury, sickness or death of persons 2. loss of damage to, loss of, or loss of use of property, and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not, in any way, apply to direct, consequential, punitive of every kind and description arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or materials provided and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due upon which invoice is presented. Payment is due upon receipt of invoice unless other terms of payment shall have been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30th within thirty (30) days from date of invoices. To the fullest extent permitted by law or by applicable law, any amount unpaid 30 days after invoice is subject to interest at the lesser of maximum rate allowed by law or one and one half percent (1.5%) per month on the unpaid balance. If client account is not collected through legal proceedings or court attorney, the client shall pay reasonable costs and attorney's fees incurred by client with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if agreed in writing and executed by authorized representatives of PCL and client. Unforeseen circumstances, events that occur which PCL could not for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to you upon if requested. For analytes with holding times of 24 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times of 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (for which 6 hours must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Feb-19 18:28
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0795-01) Collected: 29-Jan-19 By CA						
Ammonia as N	EPA 350.1	AA93021	0.10	30-Jan-19 (SGS)	0.11 mg/l	
Biochemical Oxygen Demand	SM 5210B	AA93030	2	04-Feb-19 (SGS)	2 mg/l	
Nitrate as N	EPA 353.2	AA93023	0.20	30-Jan-19 (LA)	2.42 mg/l	
Nitrite as N	EPA 353.2	AA93023	0.02	30-Jan-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AA93115	0.10	01-Feb-19 (LA)	0.82 mg/l	
Total Suspended Solids	SM 2540D	AA93026	1	31-Jan-19 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/8/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0795

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/29/19	1100	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cope)	01/29/19	12:15
Received by		Armando Olivas (Pat-Chem)	01/29/19	12:15
Relinquished by		Armando Olivas (Pat-Chem)	1/29/19	17:35
Received by				
Relinquished by				
Received in lab by			1-29-19	1335

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), LA Waterboard (LELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided to client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has had to pay PCL for all services rendered or is otherwise in breach of this agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereunder for the exclusive use and benefit of client and cannot be relied upon by third party beneficiaries or such reports, data or information. Client will not disclose to any third party any information concerning technical information, software or quality or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and expenses (and expenses including, but not limited to, court fees, the Litigation Expenses) and events arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials 1. illness, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind or nature. This indemnity does not apply to any of the foregoing losses, costs, damages or claims caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, client damages, actions of every kind and claims by, arising out of or in connection with the negligence or on breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent applicable under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples in client's for mixtures such as asbestos, polychlorinated biphenyls, batteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or with credit card is required for all new clients or unless terms of payment and/or credit account have been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by or all by applicable law, any amount which is not paid within thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1 1/2) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by one or authorized representative. Unless that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is solely responsible for its own decisions, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed in order for any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 72 hours or less, samples must arrive within 48 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 7 days, samples must arrive at the laboratory 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 24 hours or less (benzene & 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

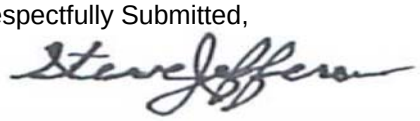
Attention: Ric Vardel
Report Date: 08-Feb-19 18:22
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19A0793-01) Collected: 29-Jan-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AA93030	2	04-Feb-19 (SGS)	560 mg/l	
Total Suspended Solids	SM 2540D	AA93026	1	31-Jan-19 (EA)	158 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/8/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 14A0793

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-282-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/24/19	1130	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
~~Global ID: WDR100000359~~

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (GPC)	01/24/19	12:15
Received by		Hanib Olmos (Patchem)	1/24/19	12:15
Relinquished by		Armando Olmos (Patchem)	1/24/19	13:35
Received by				
Relinquished by				
Received in lab by		PCL	1.24.19	1335

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client shall not disclose to any third party any information concerning technical information, software programs or other formations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, related sites and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 3. injury, disease or death of persons 4. loss of, damage to, loss of use of, or loss of use of property and/or 5. financial loss of every kind of character. The indemnity obligation applies to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to binary claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise venture to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre-or post judgment interest), or any other expenses or costs incurred by client or any other party in any lawsuit against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or classified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) (a "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's EH/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all Hazardous analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or any applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendment to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is receiving services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and in no event may any third party rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used, to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any permits or other reporting to the holders of any securities, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or conducting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria & Tannin) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Storage for longer periods is by request only. Pre-arranged long term storage is subject to additional charges. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

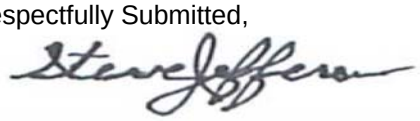
Attention: Ric Vardel
Report Date: 21-Feb-19 17:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0836-01) Collected: 30-Jan-19 By CA						
pH	SM4500-H-B	AA93037	0.1	30-Jan-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA93126	0.05	31-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA93022	1.8	01-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA93022	1.8	01-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 142936

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	01/30/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43 / 16.3°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Duarte (PCL)	01/30/19	1237
Received by	MARIO SANTIESTEBAN (PCL)	1/30/19	1237
Relinquished by	MARIO SANTIESTEBAN (PCL)	1/30/19	1440
Received by			
Relinquished by			
Received in lab by		1/30/19	1440

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

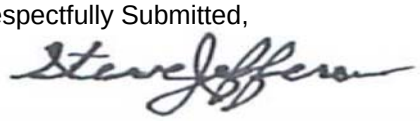
Attention: Ric Vardel
Report Date: 21-Feb-19 17:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19A0868-01) Collected: 31-Jan-19 By CA						
pH	SM4500-H-B	AB90823	0.1	31-Jan-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB90122	0.05	01-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA93121	1.8	03-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA93121	1.8	03-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19A0868

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. D.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/31/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	01/31/19	1210
Received by	Jairo Mejia Var (PCL)	1/31/19	12:10
Relinquished by	Jairo Mejia Var (PCL)	1/31/19	12:10
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	1/31/19	1422

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Standard Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (SLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided to client or at client's request and the results obtained by PCL shall be held in confidence. Unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for any inadvertent disclosure of such data which occurs despite such standard of care. Any reports, data or information provided to client are for the exclusive use and benefit of client and no one else. There shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software or programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, owners, affiliated subsidiaries and parent companies, its and assignees and all respective agents harmless against, and reimburse, costs of action, suits and reasonable expenses, including but not limited to all sums (less the Litigation Payment) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or sample testing, handling or disposal of client's hazardous materials. I. injury, disease or death of persons 2. Loss of damage to, loss of, or loss of use of property, and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries directly to the extent negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence alleged breach of contract by any indemnified Person, and/or active or alleged role in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by annual liability insurance coverage to be submitted by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Charges shall be PCL in accordance with PCL's current price schedule in effect for the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payments and credit worthiness has been established with PCL. For those clients to whom established credit accounts, the terms of payment of charges are NET 30 days from date of invoice. To the fullest extent permitted by all applicable laws, account unpaid at the end of thirty (30) days from invoice date shall bear interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay collection costs and attorney's fees in addition to the amount due, including court costs and attorney's fees associated with collection and appeal efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if made in writing and executed by an officer or other authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL assumes no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his/her personal use and not as agent, broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement and client is not relying on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any bank loan, any financial institution or other lender of the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours, before expiration to allow that the holding times can be met. Short Holding Times of 48 hours or less (excepting 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

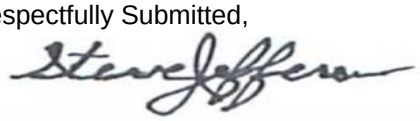
Attention: Ric Vardel
Report Date: 21-Feb-19 17:28
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0029-01) Collected: 01-Feb-19 By CA						
pH	SM4500-H-B	AB90220	0.1	01-Feb-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB90219	0.05	02-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB90120	1.8	03-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB90120	1.8	03-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1980029

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:** Golan Kfir		**P.O. #:**
	Report Attention: Ric Vardel / Golan Kfir		**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/1/19	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.35 / 20.2°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	2/1/19	11:45
Received by:	Armando Olmos (Patchem)	2/1/19	11:45
Relinquished by:	Armando Olmos (Patchem)	2/1/19	14:30
Received by:			
Relinquished by:			
Received in lab by:	PL	2.1.19	1430

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain) or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees Shall not be a third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning in-house information, software, procedures or other methodology.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and costs (and expenses, including, but not limited to, attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 2. Injury, illness or death of persons 3. Loss of, damage to, loss of, or loss of use of property and/or 4. Financial loss of every kind, if charged. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and nature arising out of or in connection with the negligence or breach of contract by any intermediate Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary or as per applicable law, client agrees that its or its/their obligation will be supported by available liquids insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest, or any other expenses or costs incurred by client or any other party to any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement in the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials") Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order, the services were rendered or when a client visited and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analyses completed is required for all new clients or until a history of payment and/or credit approval has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (ACH within thirty (30) days from account closing. To the fullest extent permitted by law or as to accounts over any amount subject to this and of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month, on the unpaid balances. If client's accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or eighty (80) percent of such collection proceeds or efforts.

13. Agreement Modification

Changes, modifications or amendments to this agreement are effective only if in writing and executed by all officers of the and by client with proper representation, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client, including entities known to PCL as an acceptor, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or registration of any securities, any periodic or other reporting to the owners of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less samples must arrive within 48 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (2 days or 48 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

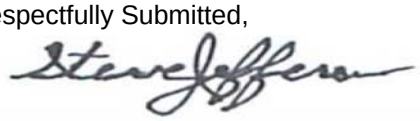
Attention: Ric Vardel
Report Date: 21-Feb-19 17:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0036-01) Collected: 02-Feb-19 By Ric Vardel						
pH	SM4500-H-B	AB90651	0.1	02-Feb-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB90424	0.05	03-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB90221	1.8	04-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB90221	1.8	04-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0036

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ric VARDEL	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/2	1015	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric VARDEL (IPC)	2/2	1020
Received by			
Relinquished by	Jose L Gomez	2/2/19	1020
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	2/2/19	12:13

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

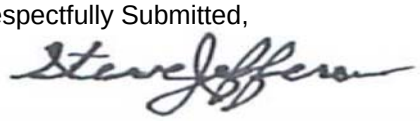
Attention: Ric Vardel
Report Date: 21-Feb-19 17:33
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0042-01) Collected: 03-Feb-19 By Ric Vardel						
pH	SM4500-H-B	AB90651	0.1	03-Feb-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB90424	0.05	04-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB90316	1.8	05-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB90316	1.8	05-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0042

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: JULIO LEAL	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02-03-19	09:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	/	/	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	02-03-19	1009
Received by	Alex Walker Jr. JR	2-3-19	1009
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr.	2/3/19	1157

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 40 Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of constituents of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or the public domain (client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profits or business interruption). Litigation Expenses, other fees (including, without limitation, attorney's fees, court costs, and cost of post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples, materials for analyses such as asbestos, polychlorinated biphenyls, Radon or any other Hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as directed by client or as PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all services received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time with notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is receiving services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 7pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 72 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without assessing a rush surcharge. All short holding times (< 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria 6-8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods by request only. PCL can accept long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

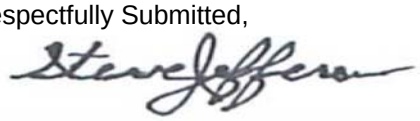
Attention: Ric Vardel
Report Date: 21-Feb-19 17:36
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0070-01) Collected: 04-Feb-19 By Ric Vardel						
pH	SM4500-H-B	AB90814	0.1	04-Feb-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB90521	0.05	05-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB90435	1.8	06-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB90435	1.8	06-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0070

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/04/19	1015	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (SRL)	02/04/19	
Received by	EB	Evan	2/4/19	1230
Relinquished by	EB	Evan	2/4/19	1500
Received by				
Relinquished by				
Received in lab by			2.4.19	14:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water, SO - Soil / Sludge, OT - Other

Bottle Type: P - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, ST - Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboards (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made in a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material(s) provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning techical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. Environmental of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any remedy which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by users or any other party in any suit/case against or involving PCL or any indemnified person in connection with this agreement or as otherwise provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples /materials for analysis such as asbestos, polychlorinated biphenyls, lead or any other hazardous or toxic material which are and/or which are defined, determined or considered as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or to PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain hazardous substance. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all Bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.50%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for his own benefit, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the solicitation, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 48 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without assessing a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours unless prior arrangements have been made to ensure that the holding times can be met. Holding times of 48 hours or less (bacteria) will require prior arrangements that same day or next to guarantee holding times are met. After hours, late deliveries, weekend delivery, delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least ninety (30) days after analysis has been completed. Sample storage for longer periods is required only if a written long term storage is subject to an additional charge. Samples will be disposed at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees do not exist outside of the San Leandro. Reasonable time has been allocated for each pick up of samples. Unnecessary delays during the pick up or sampling might incur and extend an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

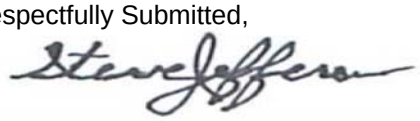
Attention: Ric Vardel
Report Date: 21-Feb-19 17:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0136-01) Collected: 05-Feb-19 By Ric Vardel						
pH	SM4500-H-B	AB90651	0.1	05-Feb-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB90650	0.05	06-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB90533	1.8	07-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB90533	1.8	07-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0136

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/05/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (Care)	02/05/19	
Received by	[illegible]	[illegible]	2/5/19	1230
Relinquished by	[illegible]	[illegible]	2/5/19	1530
Received by				
Relinquished by				
Received in lab by			2.5.19	1530

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or licensing services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or restated from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the Client of PCL's offer to do business with the Client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (CLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) or the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the client, arising out of or in connection with the services to be provided hereunder, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for providing to and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of all client's initial order and all subsequent orders for additional services, whether placed in writing or verbally. Except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples materials provided by client or at client's request and the results generated by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has cited to pay PCL for all services rendered or notherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Clients will not disclose to any third party the information concerning technical information, soft ware programs or PCL limitations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses resulting, but not limited to court costs, investigation Expenses and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's materials hereunder. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or use of any kind of property and or 3. Violation of law of every kind of character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities are given in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation shall be supported by available insurance coverage or shall be secured by a bond, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable for special, incidental, punitive, indirect, consequential damages (including, without limitation, loss of profit or business interruption, litigation expenses or attorneys fees (including, both out of pocket expenses, attorney's fees, court costs, and the use of such in-house attorneys), or any other expenses or costs incurred by client or any other party or third party arising out of or related to this agreement or its services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services required by client, client and provide and PCL will receive samples (materials for analysis such as solvents, contaminated materials, waste, soils, etc.) any other materials or their materials, wastes and conditions which are defined, determined or classified pursuant to federal, state or other law, rules, PCL policies or regulatory positions now existing or hereafter enacted or promulgated as any particular environmentally deleterious or dangerous substance or "Hazardous Materials". Client and client shall agree that any hazardous materials received by PCL from client or its client's agent shall remain the property of client and that upon completion of PCL's services, PCL will dispose of or return (portions of samples as specified by client or by PCL's SOP/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain hazardous Materials. PCL reserves the right to charge the client for the disposal or unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab facility, client will be charged a sample disposal fee per sample submitted in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or with prices accepted and confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH (within thirty (30) days from date of invoice). To the fullest extent permitted by law or applicable law, any amount owed at the end of such (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected by court legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by Client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or trustee, or on any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information, and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the existing, prospective, renewal or extension of any loan from any financial institution or other lender or the verification or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in advanced. If for any unforeseen reason the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or other days not accessible without prior notification and acceptance. Standard holding times and storage conditions should be followed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 72 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, (7 days), samples must arrive at the lab within 24 hours prior to analysis to ensure that the holding time can be met. Short Holding Times of 48 hours or less (marked as rush) must be received and relinquished that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. The arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been established on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 22:48
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0135-01) Collected: 05-Feb-19 By C.A.						
Boron	EPA 200.7	AB90637	0.10	07-Feb-19 (AF)	0.30 mg/l	
MBAS	SM 5540C	AB90638	0.20	06-Feb-19 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AB90723	5	07-Feb-19 (VD)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AB91346	0.03	13-Feb-19 (LA)	1.20 mg/l	
Total Dissolved Solids	SM 2540C	AB90647	5	07-Feb-19 (EA)	732 mg/l	
Chloride	EPA 300.0	AB90641	1.0	06-Feb-19 (AV)	199 mg/l	
Sulfate as SO4	EPA 300.0	AB90641	0.5	06-Feb-19 (AV)	200 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0135

Customer: IPC, Inc.		**Project :** (MCC) Monthly EFF	
Address: 9297 Research Drive	**Sampled by:** C.A.	**P.O. #:**	
Irvine CA 92618	**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	02/05/19	1145	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.A.	Carlos Alvarez (Carl)	02/05/19	
Received by	EB	Eric Bulo (PCL)	2/5/19	1230
Relinquished by	EB	Eric Bulo (PCL)	2/5/19	1530
Received by				
Relinquished by				
Received in lab by		PL	2-5-19	1530

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the Agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence (if or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

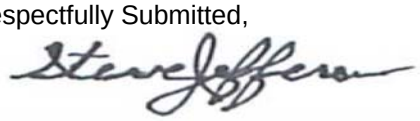
Attention: Ric Vardel
Report Date: 21-Feb-19 22:55
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0134-01) Collected: 05-Feb-19 By CA						
Ammonia as N	EPA 350.1	AB90639	0.10	06-Feb-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AB90640	2	11-Feb-19 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AB90644	0.02	06-Feb-19 (LA)	1.96 mg/l	
Nitrite as N	EPA 353.2	AB90644	0.02	06-Feb-19 (LA)	0.06 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB90722	0.10	08-Feb-19 (LA)	0.47 mg/l	
Total Suspended Solids	SM 2540D	AB90657	1	08-Feb-19 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0134

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/05/19	1145	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez Cafe	02/05/19	
Received by			2/5/19	1230
Relinquished by				
Received by				
Relinquished by				
Received in lab by			2-5-19	1230

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and (ii) an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or submittal of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or disposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care as it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information unless such disclosure was caused by PCL's gross negligence or willful misconduct. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of PCL's reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subcontractors and agents harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and expenses whatsoever, including, but not limited to, attorneys' fees, litigation, arbitration and expert witness fees, arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, (1) injury, sickness or death of persons, (2) loss of, damage to, loss of, or loss of use of property and/or (3) financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, damages, actions of every kind and character arising out of or in connection with the negligence (but not gross negligence) of the indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption (taxation) Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client or the prevailing party

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from clients at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab functional analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance of when services is requested is required but all new clients or with a history of payment and/or credit equivalent to unsatisfactory with PCL, PCL may require such as a condition precedent to work. Failure to make payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law in effect and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or expenses that associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms must be effective only in writing and executed by an officer of PCL and by a duly authorized representative of client. Client's acknowledgment letters for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acting solely on his own behalf and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party receives or uses data, information, or reports. Client represents, warrants, and agrees that said data, information and reports are not relevant, or shall be used to refer upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the qualification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day to ensure guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been indicated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

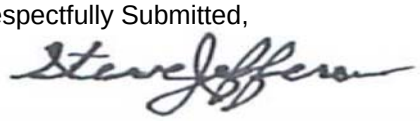
Attention: Ric Vardel
Report Date: 21-Feb-19 23:02
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19B0132-01) Collected: 05-Feb-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AB90726	2	12-Feb-19 (SGS)	648 mg/l	
Total Suspended Solids	SM 2540D	AB90657	1	08-Feb-19 (EA)	676 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0132

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** Mohamad Moughaseen	**P.O. #:**
Irvine CA 92618		**Report Attention:** ~~Ric Vardel / Golan Kfir~~	**Phone #:** ~~949-262-9067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
INF	02/05/19	11:50	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI ~~Global ID: WDR100000359~~									

Relinquished by	Print Name (Company)	Date	Time
	Mohamad Moughaseen	02/05/19	
Received by	[illegible]	2/5/19	1230
Relinquished by	[illegible]	2/5/19	1530
Received by			
Relinquished by			
Received in lab by	[illegible]	2/5/19	1530

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
~~Comp~~

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or restated from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The client's delivery of samples to PCL or its agents or consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of, compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (the "Losses and Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, use of, or loss of use of property and/or 3. Economic loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party or any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples of materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, designated or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or any applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall be used to reliad upon in connection with or as part of, the purchase, sale, underwriting, or distributing of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after business weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times (without applying a rush surcharge). All short holding times (i.e. 7 days) samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional surcharges and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 17:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0184-01) Collected: 06-Feb-19 By Ric Vardel						
pH	SM4500-H-B	AB90720	0.1	06-Feb-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB90727	0.05	07-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB90649	1.8	08-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB90649	1.8	08-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0184

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/06/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	02/06/19	
Received by	EC	Cmb	2/6/19	1240
Relinquished by	EC	Cmb	2/6/19	1455
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/6/19	1518

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (LLAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of conditions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and our proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by Client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or Client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such disclosure was obtained. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party the information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or use of any of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which policy shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profits or business interruption, Litigation Expenses in other fees including without limitation attorney's fees, court costs, and cost of appeal, judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, benzene or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL otherwise regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees consistent with such collection procedures in effect.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in ordering services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or instrument.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Maximum holding time and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 72 hours, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria & Nitrate) must be delivered the same day in order to guarantee holding times are met. After hours, late delivery, freight company deliver or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least sixty (30) days after analysis has been completion. Sample storage for longer periods is by request only, the arranged long term storage is subject to an additional charge. Samples will be disposed at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 17:43
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0251-01) Collected: 07-Feb-19 By Ric Vardel						
pH	SM4500-H-B	AB90814	0.1	07-Feb-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB90813	0.05	08-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB90721	1.8	09-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB90721	1.8	09-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0251

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. D.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/07/19	1000	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C. D.	Carlos Amaya (Grel)	02/07/19	
Received by: EG	Grel per	2/7/19	1230
Relinquished by: EG	Grel per	2-7-19	1540
Received by:			
Relinquished by:			
Received in lab by:	AL	2-7-19	1540

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL's personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by Client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses (including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring or incident to arising out of, or in connection with the performance of services by PCL hereunder or this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages (including without limitation loss of profit or business interruption, Litigation Expenses or other fees (including without limitation, attorney's fees, court costs, and the cost of in-house counsel) incurred by client or any other party in defending (as allowed by law), enforcing PCL or any indemnified person in connection with this agreement or as arising from under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste and substance which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client, and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos bacterial analysis, client will be charged a sample disposal fee per sample submitted in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by Client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without incurring a rush surcharge. On short holding times 2-7 days, samples must arrive at the lab within 24 hours before expenditures ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) it should must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight forwarding delivery or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of the fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods may be required only if pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be incurred an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 17:45
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0290-01) Collected: 08-Feb-19 By Ric Vardel						
pH	SM4500-H-B	AB90928	0.1	08-Feb-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB90927	0.05	09-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB90812	1.8	10-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB90812	1.8	10-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 198029 0

Customer: IPC, Inc.

Project : **(MCC) Daily EFF**

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: C. Q.

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/08/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Q.	Carlos Alvarez (IPC)	02/08/19	
Received by	Elo	Travis (GPL)	2/8/19	1250
Relinquished by	Elo	Travis (GPL)	2/8/19	1430
Received by				
Relinquished by				
Received in lab by		P/L	2/8/19	1430

Sample Received Checklist 4

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO -Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments thereto which are agreed to in writing. "Client" means the individual or entity who/that requests laboratory services, consulting or sampling services and the employees, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (or portion hereof) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the Client under the Terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No conflicting or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the Terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of work currently in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), its Water Board's (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Any opinions, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the client, arising out of or in connection with the services to be provided hereto, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services hereunder notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and around the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services performed and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of client's initial order and all subsequent orders for additional services, whether placed in writing, as verbally agreed to, to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has cited to PCL for all services rendered or as otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees they shall be no third party beneficiaries of work reports, data or information. Client will not disclose to any third party any information concerning technical information with such privileges or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the obligation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, or loss of use of property and or 3. incurring cost of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall survive to the extent applicable. Client agrees to waive all rights and claims it may have against PCL for any loss, damage, injury, disease or death of persons, property or business caused by the gross negligence or willful misconduct of PCL or its employees. Client agrees to indemnify, defend and hold harmless PCL from any and all claims, suits, losses, costs and expenses, including reasonable attorneys' fees, court costs, and expert witness fees, damages, or any other expenses or costs incurred by client or any other person or organization claiming against PCL or any indemnified parties in connection with this agreement or an analysis provided under this agreement even if caused by the negligence of PCL.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as aqueous, non-hazardous materials, biological specimens or any of the hazardous or toxic materials, wastes and substances which are defined, determined or classified as such under federal, state or local laws, rules or regulations or by statutes (whether now existing or hereafter enacted or promulgated) as any pollutant or contaminant or as a source of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous Materials received by PCL from client or on client's behalf shall remain the property of client and that upon completion of PCL's services, PCL will return all or any unused portion of samples as specified by client or to PCL's standard policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the shipment of unused samples to client or to dispose of PCL's current sample disposal policy. In addition, all samples received by PCL for any of chemical analysis client will be charged a sample disposal fee, per sample disposition, or per batch in with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payments in advance of when analysis is completed is required for all new clients or upon a history of payment and/or credit [illegible] been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all and to applicable law, any amounts unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished to PCL. Client is assuming services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the writing, amendment, renewal, or extension of any loan from any financial institution or other lender, or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for exceeding holding times due to inadequate volume of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be followed and/or as any samples as agreed to by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 24 hours of collection to PCL to meet holding times recommended by the laboratory. For short holding times, 2-7 days, appointments must be made with the lab within 24 hours prior to collection to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) will be rush and must be scheduled the same day in order to guarantee holding times are met. After hours, 3pm delivery, or any emergency dispatch of personnel or equipment such fees apply at the discretion of PCL to meet holding times. All holding times are in effect as of the collection date of the lab schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after reports has been completed. Sample storage for longer periods is required only. The arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. An estimate time has been allocated for each pick up or service. Misrepresentation during the pick up or sampling (wait) or incorrect or additional fee

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

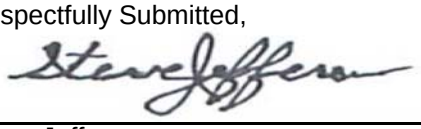
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Apr-19 11:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0291-01) Collected: 08-Feb-19 By CA						
Silver	EPA 200.8	AB91128	0.2	12-Feb-19 (AF)	<0.2 ug/l	
Aluminum	EPA 200.8	AB91128	5.0	12-Feb-19 (AF)	31 ug/l	
Arsenic	EPA 200.8	AB91128	0.5	12-Feb-19 (AF)	1.5 ug/l	
Barium	EPA 200.8	AB91128	0.5	12-Feb-19 (AF)	11 ug/l	
Beryllium	EPA 200.8	AB91128	0.2	12-Feb-19 (AF)	<0.2 ug/l	
Cadmium	EPA 200.8	AB91128	0.2	12-Feb-19 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AB91128	0.2	12-Feb-19 (AF)	5.4 ug/l	
Copper	EPA 200.8	AB91128	0.2	12-Feb-19 (AF)	0.8 ug/l	
Iron	EPA 200.7	AB91129	0.02	12-Feb-19 (SJ)	0.11 mg/l	
Mercury	EPA 245.1	AB91226	0.20	12-Feb-19 (AF)	<0.20 ug/l	
Manganese	EPA 200.8	AB91128	0.5	12-Feb-19 (AF)	2.4 ug/l	
Nickel	EPA 200.8	AB91128	0.5	12-Feb-19 (AF)	3.8 ug/l	
Lead	EPA 200.8	AB91128	0.2	12-Feb-19 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AB91128	1.0	12-Feb-19 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AB91128	2.0	12-Feb-19 (AF)	5.3 ug/l	
Thallium	EPA 200.8	AB91128	1.0	12-Feb-19 (AF)	<1.0 ug/l	
Zinc	EPA 200.8	AB91128	1.0	12-Feb-19 (AF)	12 ug/l	
1,2-Dibromoethane (EDB)	EPA 504.1	AB92126	0.02	20-Mar-19 (SJ)	<0.02 ug/l	
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AB92126	0.01	20-Mar-19 (SJ)	<0.01 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 506	AB91342	2.0	28-Mar-19 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)adipate	EPA 506	AB91342	2.0	28-Mar-19 (SJ)	<2.0 ug/l	
Surrogate: o-Terphenyl	*EPA 506*	*AB91342*		*28-Mar-19 (SJ)*	*70.8 % (50-120)*	
Alachlor	EPA 507	AB91341	0.2	09-Mar-19 (SJ)	<0.2 ug/l	
Atrazine	EPA 507	AB91341	0.2	09-Mar-19 (SJ)	<0.2 ug/l	
Molinate	EPA 507	AB91341	0.2	09-Mar-19 (SJ)	<0.2 ug/l	
Simazine	EPA 507	AB91341	0.2	09-Mar-19 (SJ)	<0.2 ug/l	
Thiobencarb (Bolero)	EPA 507	AB91341	0.2	09-Mar-19 (SJ)	<0.2 ug/l	
Surrogate: 1,3-Dimethyl-2-nitrobenzei	*EPA 507*	*AB91341*		*09-Mar-19 (SJ)*	*88.2 % (40-120)*	

Respectfully Submitted,



Steve Jefferson 4/13/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Apr-19 11:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0291-01) Collected: 08-Feb-19 By CA						
Chlordane	EPA 508	AB91349	0.1	08-Mar-19 (SJ)	<0.1 ug/l	
Endrin	EPA 508	AB91349	0.01	08-Mar-19 (SJ)	<0.01 ug/l	
Gamma-BHC(Lindane)	EPA 508	AB91349	0.01	08-Mar-19 (SJ)	<0.01 ug/l	
Heptachlor	EPA 508	AB91349	0.01	08-Mar-19 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 508	AB91349	0.01	08-Mar-19 (SJ)	<0.01 ug/l	
Hexachlorobenzene	EPA 508	AB91349	0.01	08-Mar-19 (SJ)	<0.01 ug/l	
Hexachlorocyclopentadiene	EPA 508	AB91349	0.01	08-Mar-19 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 508	AB91349	0.05	08-Mar-19 (SJ)	<0.05 ug/l	
Toxaphene	EPA 508	AB91349	0.1	08-Mar-19 (SJ)	<0.1 ug/l	
Aroclor 1016	EPA 508	AB91349	0.1	08-Mar-19 (SJ)	<0.1 ug/l	
Aroclor 1221	EPA 508	AB91349	0.1	08-Mar-19 (SJ)	<0.1 ug/l	
Aroclor 1232	EPA 508	AB91349	0.1	08-Mar-19 (SJ)	<0.1 ug/l	
Aroclor 1242	EPA 508	AB91349	0.1	08-Mar-19 (SJ)	<0.1 ug/l	
Aroclor 1248	EPA 508	AB91349	0.1	08-Mar-19 (SJ)	<0.1 ug/l	
Aroclor 1254	EPA 508	AB91349	0.1	08-Mar-19 (SJ)	<0.1 ug/l	
Aroclor 1260	EPA 508	AB91349	0.1	08-Mar-19 (SJ)	<0.1 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 508*	*AB91349*		*08-Mar-19 (SJ)*	*69.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	*EPA 508*	*AB91349*		*08-Mar-19 (SJ)*	*79.5 % (50-120)*	
Bentazon	EPA 515.1	AB92532	0.2	26-Mar-19 (SJ)	0.2 ug/l	
2,4-D	EPA 515.1	AB92532	0.2	26-Mar-19 (SJ)	<0.2 ug/l	
Dalapon	EPA 515.1	AB92532	0.2	26-Mar-19 (SJ)	<0.2 ug/l	
Dinoseb	EPA 515.1	AB92532	0.2	26-Mar-19 (SJ)	<0.2 ug/l	
Pentachlorophenol (PCP)	EPA 515.1	AB92532	0.2	26-Mar-19 (SJ)	<0.2 ug/l	
Picloram	EPA 515.1	AB92532	0.2	26-Mar-19 (SJ)	<0.2 ug/l	
2,4,5-TP	EPA 515.1	AB92532	0.2	26-Mar-19 (SJ)	<0.2 ug/l	
Surrogate: 2,4-DCAA	*EPA 515.1*	*AB92532*		*26-Mar-19 (SJ)*	*189 % (60-140)*	
Benzene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Bromodichloromethane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Bromoform	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	

Respectfully Submitted,

Steve Jefferson 4/13/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Apr-19 11:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0291-01) Collected: 08-Feb-19 By CA						
Carbon tetrachloride	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
c-1,3-Dichloropropene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
cis-1,2-Dicholoroethene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Chlorobenzene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Chloroform	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Dibromochloromethane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,2-Dichlorobenzene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,4-Dichlorobenzene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,2-Dichloroethane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,1-Dichloroethane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,3-Dichloropropane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,2-Dichloropropane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Ethylbenzene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Methyl tert-butyl ether	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Methylene chloride	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Styrene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
t-1,2-Dichloroethene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
t-1,3-Dichloropropene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,1,2,2-Tetrachloroethane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Tetrachloroethene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Toluene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,2,4-Trichlorobenzene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,1,1-Trichloroethane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,1,2-Trichloroethane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Trichloroethene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
Vinyl chloride	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	
o-Xylene	EPA 524.2	AB92826	0.5	22-Feb-19 (SJ)	<0.5 ug/l	

Respectfully Submitted,

Steve Jefferson 4/13/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Apr-19 11:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0291-01) Collected: 08-Feb-19 By CA						
m,p-Xylene	EPA 524.2	AB92826	1.0	22-Feb-19 (SJ)	<1.0 ug/l	
Surrogate: Dibromofluoromethane	*EPA 524.2*	*AB92826*		*22-Feb-19 (SJ)*	*120 % (80-120)*	
Surrogate: Toluene-d8	*EPA 524.2*	*AB92826*		*22-Feb-19 (SJ)*	*98.0 % (80-120)*	
Surrogate: Bromofluorobenzene	*EPA 524.2*	*AB92826*		*22-Feb-19 (SJ)*	*96.1 % (80-120)*	
Carbofuran	EPA 632	AB91518	1.0	29-Mar-19 (SJ)	<1.0 ug/l	
Oxamyl	EPA 632	AB91518	1.0	29-Mar-19 (SJ)	<1.0 ug/l	
Chloroacetic Acid	EPA 552.2	AB92125	0.5	09-Apr-19 (SJ)	<0.5 ug/l	
Bromoacetic Acid	EPA 552.2	AB92125	0.5	09-Apr-19 (SJ)	<0.5 ug/l	
Dichloroacetic Acid	EPA 552.2	AB92125	0.5	09-Apr-19 (SJ)	<0.5 ug/l	
Trichloroacetic Acid	EPA 552.2	AB92125	0.5	09-Apr-19 (SJ)	<0.5 ug/l	
Dibromoacetic Acid	EPA 552.2	AB92125	0.5	09-Apr-19 (SJ)	0.5 ug/l	
Haloacetic Acids (HAA5)	EPA 552.2	AB92125	0.5	09-Apr-19 (SJ)	<0.5 ug/l	
Surrogate: 2,3-Dibromopropionic Acid	*EPA 552.2*	*AB92125*		*09-Apr-19 (SJ)*	*60.4 % (60-140)*	
Benzo (a) pyrene	EPA 550	AB90431	0.05	20-Feb-19 (SJ)	<0.05 ug/l	
Surrogate: Decafluorobiphenyl	*EPA 550*	*AB90431*		*20-Feb-19 (SJ)*	*67.3 % (45-120)*	
Cyanide (total)	SM 4500-CN-E	AB91138	0.005	12-Feb-19 (LA)	<0.005 mg/l	
MBAS	SM 5540C	AB91229	0.20	12-Feb-19 (VD)	<0.20 mg/l	
pH	SM4500-H-B	AB90928	0.1	08-Feb-19 (JC)	7.4 pH Units	A-01
Color	SM 2120 C	AB91139	5.0	08-Feb-19 (LA)	24.4 CU	
Odor	SM 2150B	AB91424	1	08-Feb-19 (SJ)	<1 T.O.N.	
Bromate	EPA 300.0	AC90538	5.0	05-Mar-19 (AV)	38.2 ug/l	
Chlorite	EPA 300.0	AC90538	20.0	05-Mar-19 (AV)	<20.0 ug/l	
Fluoride	EPA 300.0	AB91131	0.10	11-Feb-19 (AV)	0.57 mg/l	

Respectfully Submitted,



Steve Jefferson 4/13/2019
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

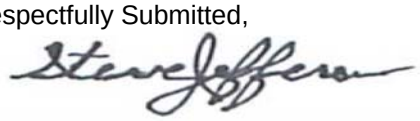
Attention: Ric Vardel
Report Date: 13-Apr-19 11:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

Notes and Definitions

A-01 Langelier Index = -0.24 (Non-Corrosive)

Respectfully Submitted,



Steve Jefferson 4/13/2019
Laboratory Director

□□□□□□□□□□

□□□□□□ □□□□□□□□□□□

NORTH COAST LABORATORIES LTD.

February 26, 2019

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 93340

Attn: Theresa Trevizo

Order No.: 1902273
Invoice No.: 145041
PO No.:
ELAP No.1247-Expires July 2020

RE: 19B0291

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	19B0291-01
01B	19B0291-01
01C	19B0291-01

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

Approved for release by:

Roxanne Moore, Project Manager

Date: 26-Feb-2019
WorkOrder: 1902273

CASE NARRATIVE

EPA 548:
The endothall recovery for the matrix spike (MS) was below the lower acceptance limit. The recovery was within acceptance limits in the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) indicating the analytical batch was in control.

EPA 549.2:
Diquat strongly adsorbs to soil particles that are suspended in water. The strong chemical bonds make the herbicide chemically inactive. When bound with soil particles, the extraction procedure for method EPA 549.2 is ineffective at isolating the bound diquat. Any reported diquat represents the dissolved analyte in the water that has not been bound to the soil particles.

Date Feb

WorkOrder

ANALYTICAL REPORT

Client Sample ID B

Lab ID A

Received

Collected

Test Name Glyphosate

Reference EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND			µg/L			

Client Sample ID B

Lab ID B

Received

Collected

Test Name EPA

Reference EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat dissolved	ND			µg/L			

Client Sample ID B

Lab ID C

Received

Collected

Test Name Endothall

Reference EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND			µg/L			
Surrogate D			Rec				

North Coast Laboratories, Ltd.

Date: 2/26/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1902273
Project: 19B0291

QC SUMMARY REPORT
Method Blank

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID MB-021819 Batch ID: **R98435** Test Code: **547W** Units: **µg/L** Analysis Date **2/18/2019 3:28:57 PM** Prep Date **2/18/2019**											
Client ID: Run ID: **ORLC9_190218A** SeqNo: **1399709**											
Glyphosate	ND	5.0									
Sample ID MB-37051 Batch ID: **37051** Test Code: **548W** Units: **µg/L** Analysis Date **2/19/2019 4:03:03 AM** Prep Date **2/15/2019**											
Client ID: Run ID: **ORGC14_190218B** SeqNo: **1399923**											
Endothall	ND	45									
Surrogate: 2,3-D	253	0.10	250	0	101%	78	117	0			
Sample ID MB-37047 Batch ID: **37047** Test Code: **549W** Units: **µg/L** Analysis Date **2/18/2019 6:06:14 PM** Prep Date **2/14/2019**											
Client ID: Run ID: **ORLC8_190218A** SeqNo: **1399776**											
Diquat (dissolved)	ND	0.40									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 2/26/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1902273
Project: 19B0291

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **1902273-01CMS** Batch ID: **37051** Test Code: **548W** Units: **µg/L** Analysis Date **2/19/2019 5:04:46 AM** Prep Date **2/15/2019**
Client ID: **19B0291-01** Run ID: **ORGC14_190218B** SeqNo: **1399926**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	44.65	45	225	0	19.8%	61	114	0			JS
Surrogate: 2,3-D	268	0.10	250	0	107%	78	117	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 2/26/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1902273
Project: 19B0291

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-021819** Batch ID: **R98435** Test Code: **547W** Units: **µg/L** Analysis Date **2/18/2019 3:50:42 PM** Prep Date **2/18/2019**
Client ID: Run ID: **ORLC9_190218A** SeqNo: **1399710**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	50.35	5.0	50.0	0	101%	80	118	0			

Sample ID **LCSD-021819** Batch ID: **R98435** Test Code: **547W** Units: **µg/L** Analysis Date **2/18/2019 4:12:26 PM** Prep Date **2/18/2019**
Client ID: Run ID: **ORLC9_190218A** SeqNo: **1399711**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	50.86	5.0	50.0	0	102%	80	118	50.4	1.02%	30	

Sample ID **LCS-37051** Batch ID: **37051** Test Code: **548W** Units: **µg/L** Analysis Date **2/19/2019 4:23:44 AM** Prep Date **2/15/2019**
Client ID: Run ID: **ORGC14_190218B** SeqNo: **1399924**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	216.8	45	225	0	96.4%	61	114	0			
Surrogate: 2,3-D	243	0.10	250	0	97.3%	78	117	0			

Sample ID **LCSD-37051** Batch ID: **37051** Test Code: **548W** Units: **µg/L** Analysis Date **2/19/2019 4:44:25 AM** Prep Date **2/15/2019**
Client ID: Run ID: **ORGC14_190218B** SeqNo: **1399925**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	223.8	45	225	0	99.5%	61	114	217	3.16%	30	
Surrogate: 2,3-D	261	0.10	250	0	104%	78	117	243	7.00%	30	

Sample ID **LCS-37047** Batch ID: **37047** Test Code: **549W** Units: **µg/L** Analysis Date **2/18/2019 6:27:41 PM** Prep Date **2/14/2019**
Client ID: Run ID: **ORLC8_190218A** SeqNo: **1399777**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.729	0.40	2.00	0	86.4%	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pat-Chem Laboratories
Work Order: 1902273
Project: 19B0291

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-37047** Batch ID: **37047** Test Code: **549W** Units: **µg/L** Analysis Date **2/18/2019 6:49:07 PM** Prep Date **2/14/2019**
Client ID: Run ID: **ORLC8_190218A** SeqNo: **1399778**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.840	0.40	2.00	0	92.0%	70	130	1.73	6.22%	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

March 19, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1901915
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(3 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
19B0291-01	02/08/2019	02/12/2019	SP 1901915-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	03/18/2019:203774 All analysis quality controls are within established criteria.
	03/13/2019:202740 All preparation quality controls are within established criteria, except: The following note applies to Gross Beta, Gross Alpha: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Gross Alpha: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	03/05/2019:202946 All analysis quality controls are within established criteria.
	02/20/2019:201939 All preparation quality controls are within established criteria.
905.0	02/28/2019:203046 All analysis quality controls are within established criteria.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

March 19, 2019 Lab ID : SP 1901915
Pat-Chem Laboratories Customer : 2-12670

Radio QC

905.0	02/23/2019:201941 All preparation quality controls are within established criteria.
906.0	03/07/2019:203849 All analysis quality controls are within established criteria.
	03/01/2019:202323 All preparation quality controls are within established criteria.
908.0	03/08/2019:203472 All analysis quality controls are within established criteria.
	03/07/2019:202511 All preparation quality controls are within established criteria, except: The following note applies to :
Ra - 05	03/04/2019:203206 All analysis quality controls are within established criteria.
	02/26/2019:201943 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

314.0	02/12/2019:202142 All analysis quality controls are within established criteria.
	02/12/2019:201646 All preparation quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2019-03-19

March 19, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : 19B0291-01
Project : 19B0291

Lab ID : SP 1901915-001
Customer ID : 2-12670

Sampled On : February 8, 2019-10:30
Sampled By : Not Available
Received On : February 12, 2019-09:49
Matrix : Waste Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Perchlorate	ND	2	ug/L		314.0	02/12/19:201646	314.0	02/12/19:202142

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

March 19, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : 19B0291-01
Project : 19B0291

Lab ID : SP 1901915-001
Customer ID : 2-12670

Sampled On : February 8, 2019-10:30
Sampled By : Not Available
Received On : February 12, 2019-09:49
Matrix : Waste Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	5.03 ± 1.49	1.24	pCi/L		900.0	03/13/19-11:03 2P1902740	900.0	03/18/19-09:07 2A1903774
Gross Beta	20.7 ± 1.68	1.04	pCi/L		900.0	03/13/19-11:03 2P1902740	900.0	03/18/19-09:07 2A1903774
Strontium 90	0.089 ± 0.262	0.546	pCi/L		905.0	02/23/19-16:00 2P1901941	905.0	02/28/19-18:20 2A1903046
Total Alpha Radium (226)	0.116 ± 0.097	0.342	pCi/L		903.0	02/20/19-18:00 2P1901939	903.0	03/05/19-14:25 2A1902946
Tritium	0.000 ± 272	434	pCi/L		906.0	03/01/19-13:45 2P1902323	906.0	03/07/19-07:08 2A1903849
Uranium	0.516 ± 0.535	0.342	pCi/L		908.0	03/07/19-11:00 2P1902511	908.0	03/08/19-18:38 2A1903472
Ra 228	0.000 ± 0.718	0.384	pCi/L		Ra - 05	02/26/19-18:00 2P1901943	Ra - 05	03/04/19-19:20 2A1903206

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

March 19, 2019 Lab ID : SP 1901915
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	02/12/19:201646MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	99.2 %	85-115	
			MS	ug/L	25.00	86.1 %	80-120	
		(SP 1901792-001)	MSD	ug/L	25.00	84.5 %	80-120	
			MSRPD	ug/L	25.00	1.9%	≤15	
	314.0	02/12/19:202142MCA	CCB	ppb		0.00	2.0	
			CCV	ppb	20.00	110 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	107 %	85-115	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

March 19, 2019 Lab ID : SP 1901915
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	03/18/19:203774KD	CCV	cpm	7940	43.3 %	35-47	
			CCB	cpm		0.0800	0.18	
Beta	900.0	03/18/19:203774KD	CCV	cpm	7940	93.8 %	83-94	
			CCB	cpm		0.2800	0.48	
Gross Alpha	900.0	03/13/19:202740iwc	Blank	pCi/L		0.31	3	
			LCS	pCi/L	130.0	93.7 %	75-125	
			MS	pCi/L	130.0	122 %	60-140	
		(SP 1902693-001)	MSD	pCi/L	130.0	46.9 %	60-140	435
			MSRPD	pCi/L	130.0	85.6%	≤30	435
Gross Beta	900.0	03/13/19:202740iwc	Blank	pCi/L		-0.34	4	
			LCS	pCi/L	69.15	138 %	84-160	
			MS	pCi/L	69.15	79.0 %	80-130	435
		(SP 1902693-001)	MSD	pCi/L	69.15	77.3 %	80-130	435
			MSRPD	pCi/L	130.0	2.1%	≤30	
Alpha	903.0	03/05/19:202946JCA	CCV	cpm	8311	39.9 %	37-46	
			CCB	cpm		0.0800	0.12	
Total Alpha Radium (226)	903.0	02/20/19:201939EMV	RgBlk	pCi/L		-0.002	2	
			LCS	pCi/L	21.78	103 %	52-107	
			BS	pCi/L	10.89	67.1 %	43-111	
			BSD	pCi/L	10.89	49.9 %	43-111	
			BSRPD	pCi/L	10.89	1.9	≤2	
Beta	905.0	02/28/19:203046emv	CCV	cpm	8311	86.7 %	85-93	
			CCB	cpm		0.4600	0.58	
Total Strontium	905.0	02/23/19:201941emv	RgBlk	pCi/L		0.24	2	
			LRS	pCi/L	17.60	117 %	53-133	
			BS	pCi/L	17.59	114 %	75-125	
			BSD	pCi/L	17.59	104 %	75-125	
			BSRPD	pCi/L	17.59	8.3%	≤20	
Tritium	906.0	03/01/19:202323aat	Blank	pCi/L		-60	<300	
			LCS	pCi/L	1671	101 %	75-125	
			BS	pCi/L	1671	105 %	75-125	
			BSD	pCi/L	1671	113 %	75-125	
			BSRPD	pCi/L	1671	7.9%	≤25	
	906.0	03/07/19:203849JCA	CCV	pCi/L	26210	104 %	90-110	
			CCB	pCi/L		346	500	
Alpha	908.0	03/08/19:203472JCA	CCV	cpm	8305	40.4 %	36-45	
			CCB	cpm		0.0600	0.12	
Uranium	908.0	03/07/19:202511JCA	RgBlk	pCi/L		-0.01	1	
			LRS	pCi/L	26.84	66.5 %	54-105	
			BS	pCi/L	26.84	139 %	75-125	436
			BSD	pCi/L	26.84	135 %	75-125	436
			BSRPD	pCi/L	26.84	2.5%	≤20	
Beta	Ra - 05	03/04/19:203206emv	CCV	cpm	8306	89.5 %	84-94	
			CCB	cpm		0.2400	0.51	
Ra 228	Ra - 05	02/26/19:201943emv	RgBlk	pCi/L		-0.04	3	
			LRS	pCi/L	12.11	68.4 %	65-108	
			BS	pCi/L	12.11	79.9 %	75-125	
			BSD	pCi/L	12.11	93.4 %	75-125	
			BSRPD	pCi/L	12.11	1.6	≤3	

Definition

CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

April 22, 2019 Ceres ID: 12632

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on February 13, 2019. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

This work was authorized under Pat-Chem Laboratories' Project # 19B0291.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date	&Time
12632-001	19B0291-01	2/13/2019	2/8/2019	10:30

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Method Blank**	**QC Batch #:** 1973	**Date Received:** NA
	Matrix: Aqueous	**Date Extracted:** 4/18/2019
Project ID: 19B0291	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 4/19/2019

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.22	1.49	5.00		13C-2378-TCDD	91.3	31-137	
					CRS			
					37Cl4-2378-TCDD	101	35-197	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 1973	**Date Extracted:** 4/18/2019
	Matrix: Aqueous	**ZB-5MS Analysis:** 4/19/2019
Project ID: 19B0291	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	11.3	7.3-14.6	13C-2378-TCDD	93.0	25-141
			CRS		
			37Cl4-2378-TCDD	96.7	37-158
			(a) Limits based on method acceptance criteria.		

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Client Sample ID: 19B0291-01		
Project ID: 19B0291	**Ceres Sample ID:** 12632-001	**Date Received:** 2/13/2019
	QC Batch #: 1973	**Date Extracted:** 4/18/2019
Date Collected: 2/8/2019	**Matrix:** Aqueous	**ZB-5MS Analysis:** 4/19/2019
Time Collected: 10:30	**Sample Size:** 0.944 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 4.14	1.49	5.30		13C-2378-TCDD	74.3	31-137	
					CRS			
					37Cl4-2378-TCDD	91.8	42-164	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190291

Customer: IPC, Inc.		Project : **(MCC) Quarterly EFF**	
Address: 9297 Research Drive		Sampled by: C.D.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/08/19	1030	1	Ag, Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Mg, Hg, Ni, Se, Tl, Zn	Grab	AQ	1L P	HN	
			1	F, Bromate, Chlorite, Color, Odor, pH	Grab	AQ	1L P	4°C	
			1	CN	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Perchlorate	Grab	AQ	500 P	4°C	
			8	524, 504, 552, 552.2,	Grab	AQ	VOA	4°C	
			6	507, 515, 632, 508, 550, 506,	Grab	AQ	1L G	4°C	
			5	Asbestos, Diquat, Endothall, Glphosate, Dioxon- 2,3,7,8 TCDD	Grab	AQ	1L G	4°C	
			6	Radioactive - Radium-226 & 228, Gross Alpha, Gross Beta, Strontium-90 Tritium,	Grab	AQ	1L G	4°C	
			1	Uranium	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.D.	Carlos Alvarez (IPC)	02/08/19	
Received by	EG	Cuarlo PCL	2/8/19	1250
Relinquished by	EG	Cuarlo PCL	2/8/19	1430
Received by				
Relinquished by				
Received in lab by		PCL	2-8-19	1430

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any subsequent amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and who or its heirs, successors, assigns and representatives. "Price Schedule" means the Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. Any modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may place orders by submitting a written chain of custody (COC) to PCL. Any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and (ii) an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or solicitation of consulting services constitutes the Client's express consent to be governed by these terms and conditions. No contrary or additional terms and conditions contained in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable. PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LUFT), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client's purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by Client or at Client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is required to be disclosed by law or legal process. All information received by law or legal process, PCL shall use the same standard of care it uses in preserving its own confidential data and shall not be responsible for unauthorized disclosure of confidential information unless such disclosure was due to the negligence or willful misconduct of PCL. PCL reports are delivered to Client and Client agrees that the exclusive use and benefit of such reports, data or information. Client will not disclose to any third party any conclusions concerning technical information without prior written or other authorization.

10. Hold Harmless

Client releases and at all times indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages (including reasonable attorneys' fees and expenses) and costs (including, without limitation, court costs and reasonable litigation expenses and experts' fees) of Client or any third party as a result of, and/or in any way occurring incident to, arising out of or connected with the performance of services by PCL pursuant to this agreement, except to the extent resulting directly from the gross negligence or willful misconduct of PCL, its employees, agents or subcontractors. Client specifically waives its claim, demand, attorneys' fees, and costs for, arising out of, or in connection with the negligence of or breach of contract by, any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the prevailing party. To the extent insurance under applicable law does not exist to indemnify, Client agrees to self-insure such indemnity obligation or will be supported by adequate liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation expenses in other fees including, without limitation, attorney's fees, court costs, and pre or post judgment interest, or any other expenses or costs incurred by Client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or all services provided under this agreement even if Client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples of materials for analysis such as asbestos, polychlorinated biphenyls, ballistic or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous Material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's normal sample disposal policy. In addition, all samples received by PCL for which material analysis client will be charged a sample disposal fee for samples submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the date the services were rendered or, with prices quoted and specified in writing. The price schedule is subject to change at any time without notice. Payment in advance or other security is required for all new clients or until a history of payment and credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of invoices are NET 30 days unless otherwise specified in writing. Client shall pay all invoices in full without setoff, counterclaim or deduction of any kind. In the event any amount is not paid when due, Client shall pay PCL interest at the rate of one and one half percent (1.5%) per month (or the highest rate permitted by law, if less) on the unpaid balance. If client's account is collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees, as well as any reasonable collection agency fees incurred in effecting collection.

13. Agreement Modification

Changes to provisions or agreements in the Terms shall be effective only in writing and executed by duly authorized representatives. Additional work orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished to PCL Client in securing services from other consultants, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the existing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, any state or subdivision, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding time, 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (subject to 8 hours) must be delivered that same day to arrive to guarantee holding times are met. After hours, late delivery, freight company delays of similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least sixty (60) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been added to the fee schedule. Reasonable fees has been provided for each pick up or service. Unnecessary delays during the pick up or sampling, might be processed as additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 17:48
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0314-01) Collected: 09-Feb-19 By IPC						
pH	SM4500-H-B	AB91236	0.1	09-Feb-19 (PL)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91235	0.05	09-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB90929	1.8	12-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB90929	1.8	12-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0314

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	02/09/19	0950	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C. Alvarez	Carlos Alvarez (IPC)	02/09/19	0950
Received by			
Relinquished by: Jose L Gomez	Jose L Gomez	02-09-19	1700
Received by			
Relinquished by			
Received in lab by: Jordan Corkery	Jordan Corkery	02/09/19	1223

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Water Board (LAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced account for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any orders for services hereunder subject to payments for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by Client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereon are for the exclusive use and benefit of Client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, harm to, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for incidental, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and cost pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any claim against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or client's request, shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any soil bacterial analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by Client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and in at no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information, and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any sampling being initiated by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 3 days, to allow PCL to meet holding times without incurring a rush surcharge. All short holding times, 72 hours, samples must arrive at the lab within 24 hours before weekend to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) it is highly recommended that same day or next day to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might or accessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

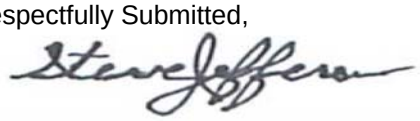
Attention: Ric Vardel
Report Date: 21-Feb-19 17:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0320-01) Collected: 10-Feb-19 By IPC						
pH	SM4500-H-B	AB91236	0.1	10-Feb-19 (PL)	6.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91235	0.05	10-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91022	1.8	12-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91022	1.8	12-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0320

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Julio Leal	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02-10-19	08:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	2-10-19	10:00
Received by	Alex Walker Jr	2/10/19	10:00
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	2/10/19	1210

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto to which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. **Independent Contractor**

PCL acts solely as an independent contractor in performing all services.

3. **Orders and Acceptance**

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these Terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. **Limit of Liability**

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the US Environmental Protection Agency (EPA), EA Water Bell (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Evaluations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our ISO/IEC 17025:2017 The total liability of PCL, its officers, agents, employees or subcontractors to the client, arising out of or connected with the services to be provided hereto, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services. Notwithstanding the foregoing, to the extent that any of the provisions of these terms and conditions conflict with applicable law, such provisions shall be deemed modified to conform to such law.

5. **Clients Responsibility**

Unless PCL personnel perform the sampling, the client shall be responsible for the location from which the samples are collected and for conducting and about the sampling site and for advising PCL of the risks and all information reasonably required by PCL to perform its services safely and efficiently.

6. **Cancellation**

Client may cancel any order for services hereunder subject to payments for all services performed and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. **Overriding Agreement**

The parties agree that no term shall govern performance of [illegible] unless [illegible] in writing or [illegible] to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. **Force Majeure**

PCL shall not be responsible for delay or failure to perform the services contemplated by this agreement due to causes beyond its control.

9. **Confidentiality**

Data and the samples materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has right to use PCL under services rendered or it) otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports. Based on information concerning technical information, software, programs or other formulations.

10. **Hold Harmless**

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way arising incident to or arising out of, or in connection with the performance of services by PCL hereunder or this agreement and/or transportation, handling, or disposal of client's hazardous materials. [illegible] disease or death of persons or injury or damage to, loss of, or loss of use of property and/or 8. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing types of claims, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether active or passive, of the indemnified person or parties to this agreement. The foregoing indemnities will be in addition to and not in lieu of the client's obligations set forth in PCL and the [illegible] Terms. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by adequate liability insurance coverage to be carried at client's own cost which insurance shall be written in a manner and form permitted under applicable law, to at least cover PCL for losses to client, its officers, partners, agents, employees or representatives for damages, including without limitation, loss of profits or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, costs, [illegible] and expert witness fees), or any other expenses, or costs incurred by client or any other party in connection with or resulting from or in any way related to any claim, action or proceeding against any party or in any [illegible] interpretation of any [illegible] the Indemnified Materials. Client's indemnification shall survive the termination of this agreement or any services provided under this agreement and shall be governed by the laws of the State of [illegible] without regard to its conflicts of law principles. In the event the client disposes of samples or [illegible] in its facility or [illegible] PCL will return to the client all unused samples which contain hazardous materials. PCL reserves the right to charge the client for the disposal of unused samples, in accordance with PCL's standard sample disposal policy. In addition, all samples received by PCL for asbestos analysis, client will be charged a sample disposal fee, per sample, unless otherwise agreed to in writing.

11. **Hazardous Substances**

For PCL to perform the services requested hereunder, client will provide and PCL will receive samples material for analysis as a possible, and to identify [illegible] in accordance with any [illegible] Regulations of any [illegible] and any and all others per [illegible] Agreement, [illegible] or handling of samples by PCL shall in no way relieve client of its obligations to [illegible] in accordance with applicable laws, regulations and [illegible] or [illegible] as a result of any [illegible] interpretation of any [illegible] the Hazardous Materials. Client acknowledges that all samples and [illegible] delivered to PCL from client or at client's request shall remain the property of Client and that upon completion of PCL services, PCL will dispose of all unused portions of samples as provided by client in its PCL's specific policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples, in accordance with PCL's standard sample disposal policy. In addition, all samples received by PCL for asbestos analysis, client will be charged a sample disposal fee, per sample, unless otherwise agreed to in writing.

12. **Prices/Payments**

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation on the date the services were rendered or with prices accepted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payments in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice, to the fullest extent permitted by law. Any amounts unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees to the extent fees associated with such collection proceedings or efforts.

13. **Agreement Modification**

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL or [illegible] authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. **No Third Party Beneficiaries; No Right of Reliance**

PCL shall have no responsibility or liability to client's use of or reliance on data, information, or reports furnished by PCL. Client is ordering services hereunder for his own account, and not as agent or trustee, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that such data, information and reports are not [illegible], or should be used to rely upon in connection with or as part of, the [illegible] sale, underwriting, or distribution of any securities, and disclosure of PCL reports, data, information, or [illegible] or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other person for the certification to or contracting with any party or indirectly any governmental agency or department.

15. **Rush Analysis**

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. **Holding Times**

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any sample being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 72 hours or less, samples must arrive at the laboratory to allow PCL to meet holding times. Nothing within this paragraph [illegible] [illegible] holding times. [illegible] [illegible] [illegible]

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

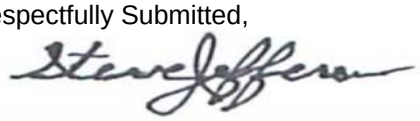
Attention: Ric Vardel
Report Date: 21-Feb-19 17:53
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0330-01) Collected: 11-Feb-19 By IPC						
pH	SM4500-H-B	AB91236	0.1	11-Feb-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91235	0.05	12-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91143	1.8	13-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91143	1.8	13-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0330

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/11/19	[redacted]	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.49/19.68
	1	1045	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (IPC)	02/11/19	12:10
Received by	ARMANDO OLMOS (APCHEM)	2/11/19	12:10
Relinquished by	ARMANDO OLMOS (APCHEM)	2/11/19	15:10
Received by			
Relinquished by			
Received in lab by	PIC	2-11-19	1510

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboards (SWAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder, subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, use of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing notwithstanding, to the extent client's obligation to indemnify PCL and the Indemnified Persons. To the extent, limitation of liability applies, client agrees that an indemnity obligation will be supported by adequate liability insurance coverage to be furnished by client, with insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for business, profits, special, incidental or consequential damages (including without limitation, loss of profits or business interruption, litigation expenses or attorneys fees including, without limitation, attorney's fees, court costs, and cost of any appeal, expert witness fees, or any other expenses) even if such party shall have been advised, knew or should have known of the possibility thereof. In the event of any action, claim or proceeding by client against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement, even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples (samples) for analysis such as asbestos, contaminated soils, soil, sludge, or any other hazardous or non-hazardous, solids and liquids (each, a "Sample"). Accordingly, in connection with such request, client or client's agents PCL agrees or regulations (whether now existing or hereafter enacted or promulgated) as they may be interpreted or enforced from time to time (collectively, "Hazardous Materials"). Client acknowledges and agrees that any hazardous material received by PCL from client or client's agents shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples in such manner as client is to be PCL's SOP/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for its disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis (solid) analysis, client will be charged a sample disposal fee, per sample accounted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when service is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of invoices are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any amounts unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by Clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party interests on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities. Any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If for any unforeseen reason, the rush turnaround time cannot be met, the regular price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 15 days or less, samples must arrive within 72 hours of sample collection. PCL cannot meet holding times without adequate advance notice. For short holding times, 24 hours, samples must arrive at the lab within 24 hours before arrangements to ensure that the holding times can be met. Short Holding Times of 48 hours or 72 hours will require that we be advised four same day in order to guarantee holding times are met. After hours, Sat. delivery, Sunday delivery or Special Holidays are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the collection date of the samples and are subject to change without notice.

17. Sample Retention

All samples are retained for at least sixty (30) days after analysis has been completed. Sample storage for longer intervals is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling process or accidental additional fee

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 22:59
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0329-01) Collected: 11-Feb-19 By CA						
Ammonia as N	EPA 350.1	AB91413	0.10	14-Feb-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AB91231	2	17-Feb-19 (VL)	<2 mg/l	
Nitrate as N	EPA 353.2	AB91232	0.02	12-Feb-19 (LA)	1.47 mg/l	
Nitrite as N	EPA 353.2	AB91232	0.02	12-Feb-19 (LA)	0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB91415	0.10	15-Feb-19 (LA)	0.77 mg/l	
Total Suspended Solids	SM 2540D	AB91230	1	13-Feb-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0329

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/11/19	1045	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/11/19	12:10
Received by		ARMANDO OLMOS (PATCHEM)	2/11/19	12:10
Relinquished by		ARMANDO OLMOS (PATCHEM)	2/11/19	15:10
Received by				
Relinquished by				
Received in lab by			2-11-19	1510

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or requested consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was maintained. PCL reports and information provided thereto are for the exclusive use and benefit of client and PCL agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other intellectual property.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, penalties, causes of action, costs and reasonable expenses, including, but not limited to, attorneys fees (the Litigation Expenses), and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with, the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, illness or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL, or its employees. Further, this indemnity shall specifically apply to, cover, claims then upon, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and the pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement, even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, Bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or where credit is not established may be required for all work. Terms of credit & history of payment and/or credit worthiness must be established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted or at any by applicable law, any amount unpaid on time and to thirty (30) days is subject to interest at the lesser of the maximum rate (identified below or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable time and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that verbal work order for additional services may be issued as in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall not be used to resell upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any person, or other recipient as the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 4pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed by or treated samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. On short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (excluding 48 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 23:06
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19B0331-01) Collected: 11-Feb-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AB91231	2	17-Feb-19 (VL)	322 mg/l	
Total Suspended Solids	SM 2540D	AB91230	1	13-Feb-19 (SGS)	352 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0331

Customer: IPC, Inc.		**Project:** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** ~~Ric Vardel / Golan Kfir~~	**Phone #:** ~~949-382-9067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	02/11/19	1130	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (PCL)	02/11/19	12:10
Received by		ARMANDO OLMOS (PATCHEM)	2/11/19	12:10
Relinquished by		ARMANDO OLMOS (PATCHEM)	2/11/19	15:10
Received by				
Relinquished by				
Received in lab by		P/C	2/11/19	1570

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided to client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of Client and client agrees there shall be no third party beneficiary of such reports, data or information. Clients will not disclose to any third party any information concerning technical information, software programs or other communications.

10. Hold Harmless

Client release, and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or its services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payments in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the term for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all by applicable law, any amounts unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or connecting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal rates will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 7-8 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is a 6 hour) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 18:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0366-01) Collected: 12-Feb-19 By IPC						
pH	SM4500-H-B	AB91339	0.1	12-Feb-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91338	0.05	13-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91237	1.8	14-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91237	1.8	14-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: AB0366

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/12/19	0915	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	09/12/19	11:55
Received by		Armando Olmos (Pat Chem)	9/12/19	11:55
Relinquished by		Armando Olmos (Pat Chem)	9/12/19	16:45
Received by				
Relinquished by				
Received in lab by		Mario San Tiesteban (PCL)	9/12/19	1615

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

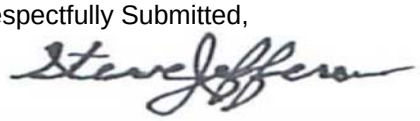
Attention: Ric Vardel
Report Date: 21-Feb-19 18:04
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0412-01) Collected: 13-Feb-19 By IPC						
pH	SM4500-H-B	AB91406	0.1	13-Feb-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91404	0.05	14-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91337	1.8	15-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91337	1.8	15-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0412

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/13/19	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	02/13/19	12:21
Received by		Courier (PCL)	02/13/19	12:24
Relinquished by		Courier (PCL)	2/13/19	1:26
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN	2/13/19	1304

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 18:06
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0443-01) Collected: 14-Feb-19 By IPC						
pH	SM4500-H-B	AB91508	0.1	14-Feb-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91507	0.05	15-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91407	1.8	16-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91407	1.8	16-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0443

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. A.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/14/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6 / 18.8°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/14/19	11:13
Received by		Cindy Martinez (PCL)	2/14/19	11:13
Relinquished by		Cindy Martinez (PCL)	2/14/19	2:50
Received by				
Relinquished by				
Received in lab by		PCL	2.14.19	1450

Sample Received Checklist

Temperature upon receipt:	4
# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to are bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable. PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA state Board (CLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise pursuant to the reasonable judgment of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the client arising out of or in connection with the services to be provided hereby shall not exceed the invoice amount for said services. Client's acceptance of a price quote and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client work order forms or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition in which the samples are collected and for conditions at and around the sampling site and for advising PCL of this status and of information required to enable PCL to perform its services in a safe and efficient.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of such cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern over terms of Client's initial order and all subsequent orders for additional services, whether placed in writing or by oral Client to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials furnished by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or to the same degree as client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL's reports and information provided thereto are for the exclusive use and benefit of client and client agrees that it shall be the sole party beneficiary of such reports. Data or information concerning testing or analysis, reports, invoices and all other communications.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and expenses arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Bodily injury and or death of persons 2. Loss of, damage to, loss of, or loss of use of property of any or all kinds or loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, injury damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the indemnified party may have to PCL and the other indemnified persons. To the extent an action under applicable law client agrees that its indemnity obligation will not be supported by available liability insurance or the right to be furnished by client, which obligation shall be in the amount which is permitted under applicable law. Client waives any right to claim for business, production, opportunity, consequential damages, including without limitation, loss of profit or business, loss of use, litigation Expenses or other like damages, without limitation, attorneys' fees, court costs, and all other costs and judgment interest, or any other damages or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services rendered under this agreement even if client or the foregoing party has been advised of the possibility of such damages.

11. Hazardous Substances

Unless PCL personnel are actually performing the sampling, client will provide and PCL will have no samples materials for analysis such as asbestos, polychlorinated biphenyls, hazardous or any other dangerous toxic materials, except and unless PCL shall have specifically agreed in writing to perform such analysis. Client represents and warrants that it is aware of the hazardous nature of any materials to be delivered to PCL and that it will inform PCL in writing of the hazardous nature of any materials delivered to PCL prior to delivery. Client shall indemnify and hold PCL harmless from and against any and all claims, demands, causes of action, damages, losses, costs, expenses, fines and liabilities of every kind and character, including attorneys' fees and litigation expenses, asserted against or incurred by PCL at any time and which arise out of or are in any manner connected with the delivery, presence, existence, treatment, storage, release or disposal of any hazardous substance, hazardous waste, hazardous material, toxic substance, pollutant or contaminant in connection with any of the materials delivered to PCL by client or on client's behalf. Client shall comply with all applicable laws, rules and regulations of all federal, state and local governmental authorities having jurisdiction over the disposal of such materials and shall sign such manifests as may be required by PCL or any governmental authority. Client shall be responsible for all costs and expenses associated with the disposal of such materials. PCL reserves the right to return to client, at client's expense, any unused portion of samples or materials delivered to PCL by client. In the event the client does not timely, as preferred method of disposal, PCL will dispose of the client's unused samples and/or materials. Notwithstanding the foregoing, PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis become property of the client and a chain of custody document for the sample submitted in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or upon a review of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and to apply at the law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law, or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to secure upon, in connection with or in any of the purchase, sale, underwriting, or distribution of any securities, any passage or other reporting to the holders of any securities, the securing, amount, net renewal, or extension of any loan from any financial institution or other lender or the certification to or confirming with directly or indirectly any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or scheduled or other factors not agreed to without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any sampling being arranged by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 72 hours or less, sampled must arrive within 24 hours to allow PCL sufficient holding time. [illegible] holding times [illegible] 24 hours before expiration. Samples received [illegible] 24 hours before expiration may not be tested. Short holding times of 15 minutes or less (such as pH, Residual Chlorine) should be performed in the field by the client to guarantee holding times are met. After hours, due delivery, freight company delivery or courier delivery and [illegible] such fees and/or the inability to meet holding times. All holding times are verified as of the published date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are discarded forty-five (45) days after analysis has been completed. Samples that are no longer needed can be returned to client. Prior approval is required. Fees charged to client for storage, shipping and disposal at the end of the year arranged and [illegible]

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included in the fee schedule. Reasonable time has been allocated for each one of our services. Unnecessary delays during the pick up or sampling may be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

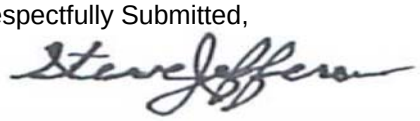
Attention: Ric Vardel
Report Date: 21-Feb-19 18:08
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0498-01) Collected: 15-Feb-19 By IPC						
pH	SM4500-H-B	AB91633	0.1	15-Feb-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91632	0.05	16-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91506	1.8	17-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91506	1.8	17-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0498

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	02/15/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	02/15/19	
Received by	EB	Carlos	2/15/19	1230
Relinquished by	EB	Carlos	2/15/19	1500
Received by				
Relinquished by				
Received in lab by			2-15-19	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (all collectively, Services) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (1) an acceptance by the client of PCL's offer to do business with the client under the terms and condition and (2) an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board (CLRP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM), of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (save to such information as is generally available to the public or in the public domain or client is obligated to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client shall not refer to any third party any information concerning technical information, calculations or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all costs, fees (by attorneys and experts) and awards accruing in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or to possession, handling or disposal of client's hazardous materials; 1. injury, disease or death of persons 2. loss of, damage to, loss of use of, or destruction of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing listed costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amount permitted under applicable law. At no point shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption), Litigation Expenses or, other fees (including, without limitation, attorney's fees, court costs, and out pre or post judgment interest), or any other expenses or costs incurred by client or any other party or any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all services received by PCL for analysis for hazardous wastes, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or clients a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in procuring services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used, to relied upon, in connection with or as part of, the purchase, underwriting, or continuation of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 72 hours, samples must arrive at the lab within 24 hours before weekend to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) could be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight companies delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 18:10
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0521-01) Collected: 16-Feb-19 By IPC						
pH	SM4500-H-B	AB91638	0.1	16-Feb-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91639	0.05	16-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91631	1.8	18-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91631	1.8	18-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0521

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/16/19	8:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	2/16/19	8:45
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	2-16-19	10:00
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	2-16-19	11:46

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: **AQ** - Water; **SO** -Soil / Sludge; **OT** - Other

Bottle Type: **P** - Plastic; **G** - Amber Glass; **VOA** - 40 ml Vial; **Coli** - bacteria

Preservations: **HC** - HCl; **HS** - H_2SO_4; **HN** - HNO_3; **HP** - H_3PO_4; **OH** - NaOH; **ST** - Sodium Thiosulfate; **AA** - Ascorbic Acid; **Al** - $AlCl_3$; **Cu** - $CuSO_4$

Note: Samples are ~~discarded~~ 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his heirs, legal successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (CLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOPs) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for such services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has fail to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss or damage to, or loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and the like or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic materials, wastes and substances which are defined, determined or established as such under federal, state or local laws, rules. PCL agrees no legislation (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials") client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or to PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or when a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. Short of holding times can be provided at the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, e.g. 7 days, we generally arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of All tests or less that are 4 hours must be delivered must come day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for an approximately (30) days after analysis has been completed. Sample storage for longer periods is by request only. The arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

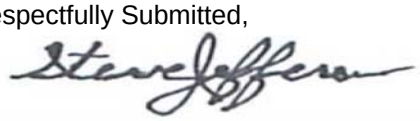
Attention: Ric Vardel
Report Date: 21-Feb-19 18:12
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0528-01) Collected: 17-Feb-19 By IPC						
pH	SM4500-H-B	AB91731	0.1	17-Feb-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91732	0.05	17-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91730	1.8	20-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91730	1.8	20-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0528

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/17/19	0945	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42 / 12.2°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	02/17/19	10:30
Received by	Alex Walker	Alex Walker Jr	2/17/19	10:30
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Alex Walker	Alex Walker Jr	2/17/19	1157

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including any price schedules, and any additions or amendments thereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including all sampling services and the officers, employees, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may enter services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be binding to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board (CAWB), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or other issue based on the reasonable judgement of PCL Services. If any will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or representatives to the client, arising out of or in connection with its services to the client, shall not exceed the lesser of the amount paid by the client for the services or the sum of $5,000.00. Client acceptance of the services constitutes client's agreement to these limitations of liability.

5. Clients Responsibility

Unless PCL performs collection of the samples, the client shall be responsible for the condition when the samples are collected and for directions in writing about the sampling and analysis, allowing PCL of the same and all information or materials to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payments for all services rendered and all of certain expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that these Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent that these Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for costs or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or on client's behalf, and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in public domain or client has filed to allay PCL has an obligation rendered in contravention or breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client's agents only. It shall not be a third party beneficiary of such reports. Except as otherwise stated, client will not disclose to any third party, any information concerning testing performed, without prior written consent of PCL.

10. Hold Harmless

Client agrees to and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, court fees (the obligation it expresses and exemplifies arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. It shall include, but not be limited to, death of persons, injury to, loss of, or damage to property, and/or damage to the environment or loss of use thereof, or any kind of character. The indemnity does not apply to any of the foregoing to the extent such are caused by injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any unidentified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to, and not in lieu of, any other indemnities set forth in this agreement between PCL and the client or elsewhere between the parties. To the extent that any such indemnification shall be deemed to be insufficient, void or unenforceable for any reason, then such indemnification shall be apportioned by applicable law in the proportion that the fault of the indemnifying party bears to the fault of the indemnified party, as determined by applicable law. Nothing herein shall be construed to limit the liability of PCL to client for damages resulting from PCL's negligence, willful misconduct or breach of contract. Client agrees to defend, indemnify and hold harmless PCL and any of its officers, directors, employees, agents, affiliates, successors and assigns from and against any and all claims, losses, liabilities, damages, costs and expenses (including but not limited to attorneys' fees and costs and consultant fees) arising out of or in connection with any claim or cause of action asserted against PCL or any of its officers, directors, employees, agents, affiliates, successors and assigns by any third party (including, but not limited to, governmental agencies) that arises out of, results from, or is based upon (i) the failure of client to perform any of its obligations under this agreement, or (ii) any act or omission of client, its employees, agents or subcontractors in connection with this agreement, or (iii) any breach by client of any of its representations or warranties contained in this agreement.

11. Hazardous Substances

For PCL to conduct the services requested by client, client will provide and PCL will receive complete materials safety data sheets, or other documentation identifying any known or suspected hazardous, toxic or dangerous properties or characteristics of materials, wastes and substances which are delivered to PCL for testing or which PCL will encounter in performing services at client's site. Client will inform PCL of any precautions necessary in handling or disposing of such materials. Client will indemnify and hold harmless PCL from any claims, liabilities, damages, costs and expenses arising out of or in any way related to the existence or presence of such hazardous materials on client's site or the removal, handling or disposal of such materials by PCL or any authorized person in connection with this agreement, in addition, to the extent required by applicable law, client shall arrange for the proper disposal of all samples and materials provided to PCL for testing, and all samples and materials resulting from PCL's testing, in accordance with all applicable laws, rules and regulations. Client shall be responsible for all costs associated with the proper disposal of such samples and materials.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when an order is completed is required for all new clients or upon a formula of payment and/or credit accounts have been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in addition

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Feb-19 18:14
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0551-01) Collected: 18-Feb-19 By IPC						
pH	SM4500-H-B	AB91843	0.1	19-Feb-19 (PL)	6.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB91846	0.05	18-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91836	1.8	21-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91836	1.8	21-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/21/2019
Laboratory Director

2.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0551

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/18/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.70 / 18.1°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (Cartel)	02/18/19	12:58
Received by		Armando Duran (Pat-Chem)	2/18/19	12:58
Relinquished by		Armando Duran (Pat-Chem)	2/18/19	14:35
Received by				
Relinquished by				
Received in lab by		M	2/18/19	1435

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab ~~Comp~~	HC - HCl HS - H_2SO_4
~~Matrix~~ AQ - Water SO -Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
~~Bottle Type~~ P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by those terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other communications.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all expenses, losses or damages, claims, suits and/or causes of action, costs and associated expenses including, but not limited to, all court fees, litigation expenses, and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or client's retaining, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligations will be supported by available assets, insurance or surety to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business, client claims, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and fees in post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples that are to be analyzed such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, waste and substances which are defined, determined or identified as such under federal, state or local laws. Many PCL policies and regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any of bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or such price is quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or action.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client recognizes, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender of the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 days or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) is it found or discovered that same day or order to guarantee holding times are met. After hours, late delivery, freight problems delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. For arranged long term storage is subject to an additional charge. Samples will be disposed at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

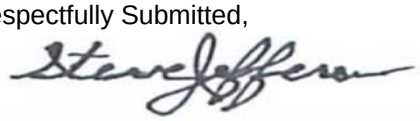
Attention: Ric Vardel
Report Date: 26-Feb-19 10:06
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0577-01) Collected: 19-Feb-19 By IPC						
pH	SM4500-H-B	AB92040	0.1	19-Feb-19 (PL)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92039	0.05	20-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB91944	1.8	22-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB91944	1.8	22-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0577

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/19/19	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.53/15.6°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	02/19/19	12:10
Received by		ARMANDO OLMOS (CONTECH)	2/19/19	12:10
Relinquished by		ARMANDO OLMOS (CONTECH)	2/19/19	15:20
Received by				
Relinquished by				
Received in lab by			2-19-19	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or re-issued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No boilerplate or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, is in the public domain or client has failed to pay PCL for all services rendered) and in connection is breach of the agreement (subject to any disclosure required by law or legal process). PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning testing, information, software, processes or other presentations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and any and all expenses, including, but not limited to, all court fees, litigation, arbitration and awards arising in favor of Client or any third parties as a result of, and/or in any way resulting, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, e.g., by reason of death of persons, 2. Loss of, damage to, loss of, or loss of use of property, and/or 3. Breach of legal duty of any kind, of character. This indemnity (hereinafter sometimes referred to as "claims") shall apply, whether or not such claims shall be caused in part by the negligence or willful misconduct of PCL or its employees. Further, this indemnity shall particularly apply to claims, demands, causes of action of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of specification of the date the services were rendered or such other quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or where analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by all applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lower of One and one half percent (1.5%) per month or the highest allowable rate allowed annually or such lower rate as may be agreed to by an attorney. The client shall pay reasonable costs and attorney's fees in addition, fees associated with any collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and/or their authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is including (without limitation) for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that they are not third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended to, or shall be used to resell upon in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any persons, or other recipient by the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 24 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab no less 72 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Coliforms is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 26-Feb-19 10:20
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0578-01) Collected: 19-Feb-19 By CA						
Ammonia as N	EPA 350.1	AB92111	0.10	21-Feb-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AB92029	2	25-Feb-19 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AB91937	0.02	19-Feb-19 (LA)	1.56 mg/l	
Nitrite as N	EPA 353.2	AB91937	0.02	19-Feb-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB92112	0.10	22-Feb-19 (LA)	0.66 mg/l	
Total Suspended Solids	SM 2540D	AB92036	1	21-Feb-19 (EA)	1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 14B0578

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/19/19	1055	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/19/19	12:10
Received by		ARMANDO OLMOS (CARTOGEN)	2/19/19	12:10
Relinquished by		ARMANDO OLMOS (CARTOGEN)	2/19/19	15:00
Received by				
Relinquished by				
Received in lab by		PC	2-19-19	1500

Sample Received Checklist

Temperature upon receipt: M

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only upon the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. Any variety or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other intellectual.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, shareholders and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and any related expenses including, but not limited to all court fees (plus litigation expenses) and counsel fees arising in favor of or by any third party as a result of, and/or in any way relating, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazard risk materials. 1. Illness, disease or death of persons; 2. Loss of, damage to, or loss of, or loss of use of property or the 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, liabilities, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law, in no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruption. Litigation expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or Regulations (as either now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any Hazardous Material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or single analysis is computed is required for all new clients or upon a history of payment and/or credit not established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted or at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or from attorney, the client shall pay reasonable costs and attorney's fees per month then associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by such authorized representative. Except that homeowners renters for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client's retaining services to provide for his own persons, and not as agent of anyone, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the particular sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or permitting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. As analyses with holding times of 24 hours or less. Samples must arrive within 16 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Benzene) is to hold) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company, delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for an issue thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Any arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

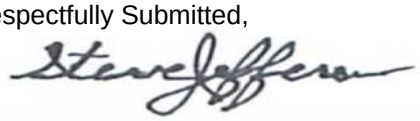
Attention: Ric Vardel
Report Date: 26-Feb-19 10:24
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19B0580-01) Collected: 19-Feb-19 By JL						
Biochemical Oxygen Demand	SM 5210B	AB92029	2	25-Feb-19 (SGS)	1013 mg/l	
Total Suspended Solids	SM 2540D	AB92036	1	21-Feb-19 (EA)	1952 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0580

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** JULIO LEAL	**P.O. #:**
Irvine CA 92618		**Report Attention:** ~~Ric Vardel / Golan Kfir~~	**Phone #:** ~~949-382-9067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	02-19-19	11:45	1	TSS	Grab	AQ	1L P	4°C	
	〃	〃	1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: ~~WDR100000359~~

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	02-19-19	12:10
Received by	ARMANDO OLMOS (PATCHEM)	2/19/19	12:10
Relinquished by	ARMANDO OLMOS (PATCHEM)	2/19/19	15:00
Received by			
Relinquished by			
Received in lab by		2/19/19	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written client purchase order ("PO") to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA); CA Waterboard (ELAP), American Society for Testing and Materials (ASTM); Association of Official Analytical Chemists (AOAC); Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed or pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, test work programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, actions, demands, causes of action, costs and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement as due to accumulation, handling, or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of, or use of, or destruction of property and or 3. Economic loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether it be or alleged. In the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for incidental, punitive, special, consequential or consequential damages (including, without limitation, loss of profits or business interruption), Litigation Expenses or attorneys fees (including, without limitation, attorney's fees, court costs, and for pre or post judgment interest), or any other expenses or costs incurred by client or any other party, in any litigation against or involving PCL or any indemnified person in connection with this agreement or as services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any from and the "Hazardous Materials". Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation on the date the services were performed or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rely upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notifications and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) it is highly recommended that same day or overnight to guarantee holding times are met. After hours, late delivery, freight company delays or courier issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

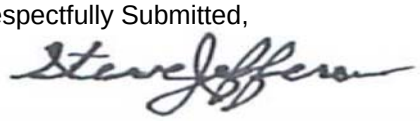
Attention: Ric Vardel
Report Date: 26-Feb-19 10:10
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0628-01) Collected: 20-Feb-19 By IPC						
pH	SM4500-H-B	AB92046	0.1	20-Feb-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92048	0.05	21-Feb-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB92042	1.8	22-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB92042	1.8	22-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0528

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	2/20/19	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.36/13.9°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	2/20/19	11:45
Received by	Armando Olmos (Patchem)	2/20/19	12:10
Relinquished by	Armando Olmos (Patchem)	2/20/19	14:30
Received by			
Relinquished by			
Received in lab by		2.20.19	1430

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including an employee, servant and his or its heirs, executors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a verified chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or in relation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 40 CFR Parts 136 and 141, the American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) for the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The responsibility of PCL, its officers, agents, employees or servants to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services hereof including any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and of information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder (other) to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's order under any accepted orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples materials provided by Client or at Client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the prior property of Client has filed to pay PCL for all services rendered or is otherwise in pursuit of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and nothing herein shall be no third party beneficiary of all agreements. Data or information Client is not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client release, and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all actions, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees, litigation, counsel and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services. b. PCL pursuant to this agreement and/or transportation handling, or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. Risk, indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or wilful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claim damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any subcontractor hereof, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that all indemnity obligations will be supported by available liability insurance of the type to be purchased by client, which insurance shall be in the minimum amounts customary under appropriate law. Nothing herein shall PCL be liable to client for indirect, punitive, special, consequential or incidental damages (including without limitation, loss of profits or business interruption, litigation expenses or court fees (including without limitation attorney's fees, court costs, and cost of in-house judgment interest), or any other expenses incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement, or any services provided under this agreement even if client is advised of the possibility of such damages.

11. Hazardous Substances

For PCL to perform the services hereunder, client will provide PCL with reasonable samples material for analysis (such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic materials, wastes and substances which are defined, listed or regulated as such under federal, state or local law, rules or regulations (together, "Hazardous Substances"). Client represents, warrants and agrees that it will comply with all applicable laws, rules, regulations and ordinances relating to the handling, storage, transportation, disposal and use of Hazardous Substances. Client will inform PCL in writing of the presence or suspected presence of any Hazardous Substances in any samples submitted to PCL for analysis or testing. Client will indemnify, defend and hold harmless PCL from and against any and all claims, losses, damages, liabilities and expenses (including reasonable attorneys' fees and costs of investigation and defense) which may arise out of or result from Client's failure to comply with the provisions of this Section 11

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

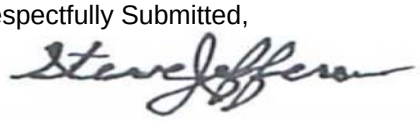
Attention: Ric Vardel
Report Date: 26-Feb-19 10:14
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0650-01) Collected: 21-Feb-19 By IPC						
pH	SM4500-H-B	AB92124	0.1	21-Feb-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92213	0.05	22-Feb-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB92119	1.8	23-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB92119	1.8	23-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0650

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine	CA 92618	**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/21/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.38/9.9°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/21/19	11:50
Received by		Hemantbhai Dahyabhai Patel (PATCHEM)	2/21/19	11:50
Relinquished by		Hemantbhai Dahyabhai Patel (PATCHEM)	2/21/19	16:30
Received by				
Relinquished by				
Received in lab by			2.21.19	1630

Sample Received Checklist

Temperature upon receipt:	4
# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or in the public domain, or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software problems or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and reasonable expenses, including, but not limited to, all court fees, litigation expenses and lawyers' fees arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, the indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client or the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment of all sums in which a dispute is not raised is required for all new clients or until a history of payment and/or credit acceptance has been established with PCL. For clients (if any) with an established credit account, the terms of payment are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay to reimburse costs and attorney's fees or agents' fees associated with such collection procedure or effort.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and its client authorized representative. Unless that subsequent orders for additional services may be verbal or written.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client (in securing services hereunder for his own account, and not as agent or broker for or any other representative capacity for any other person or entity) is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any person, or other reference to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less. Samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (2-7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (pH and 15 hour) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

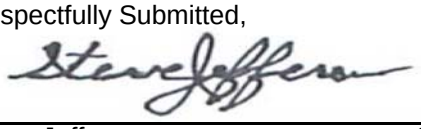
Attention: Ric Vardel
Report Date: 26-Feb-19 10:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0697-01) Collected: 22-Feb-19 By IPC						
pH	SM4500-H-B	AB92326	0.1	22-Feb-19 (JC)	8.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92213	0.05	22-Feb-19 (SJ)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB92217	1.8	24-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB92217	1.8	24-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0697

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	02/22/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.21 / 17.3°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	2/22/19	13:40
Received by	Armando Dumas (PCL)	2/22/19	13:40
Relinquished by	Armando Dumas (PCL)	2/22/19	16:00
Received by			
Relinquished by			1600
Received in lab by	MARIO SANTIESTEBAN (PCL)	2/22/19	1600

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 26-Feb-19 10:41
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0703-01) Collected: 23-Feb-19 By IPC						
pH	SM4500-H-B	AB92331	0.1	23-Feb-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92330	0.05	23-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB92325	1.8	25-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB92325	1.8	25-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0703

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric VARDEL	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/23	10830	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric VARDEL (IPC)	10/23	1045
Received by			
Relinquished by	Jose L Gomez	2/23/19	1045
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	2/23/19	1130

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule or such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all court fees (the Litigation Expenses), and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with, the performance of services by PCL pursuant to this Agreement and/or transportation, handling or disposal of client's materials and materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages, including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or classified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain hazardous substances. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by Client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is entering services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal rates will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before acceptance to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria or 6 hours) cannot be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods of time can be arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 26-Feb-19 17:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0708-01) Collected: 24-Feb-19 By Golan Kfir						
pH	SM4500-H-B	AB92426	0.1	24-Feb-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92427	0.05	24-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB92425	1.8	26-Feb-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB92425	1.8	26-Feb-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0708

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	2/24/19	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46 / 14.5°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	2/24/19	10:35
Received by Jordan Corkery	Jordan Corkery	2/24/19	12:45
Relinquished by			
Received by			
Relinquished by			
Received in lab by Jordan Corkery	Jordan Corkery	2/24/19	14:12

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), LA Waterboard (LUAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data (other than gross negligence). PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other formulations.

10. Hold Harmless

Client agrees to and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, court fees (and litigation expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 3. theory, dispute or death(s) (personal injury, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind) or expenses. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, penalties of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which client may otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required but where client or client's account of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (30) (written thirty (30) days from date of invoice). To the fullest extent permitted by or allowed by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by the client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services rendered for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used in whole upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender of the consideration to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (2-7 days), samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage term.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

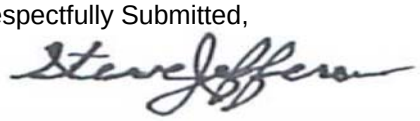
Attention: Ric Vardel
Report Date: 12-Mar-19 20:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0726-01) Collected: 25-Feb-19 By JL						
pH	SM4500-H-B	AB92549	0.1	25-Feb-19 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92548	0.05	25-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB92530	1.8	27-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB92530	1.8	27-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0726

Customer: IPC, Inc.

Project : **(MCC) Daily EFF**

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: JULIO LEAL

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	02.25.19	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.8/19.8°C
	/	/	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	2.25.19	11:58
Received by	MARJS SANTIESTEBAN (PCL)	2/25/19	11:58
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARJS SANTIESTEBAN (PCL)	2/25/19	1255

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

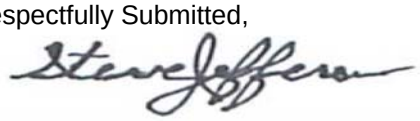
Attention: Ric Vardel
Report Date: 13-Mar-19 12:25
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0741-01) Collected: 26-Feb-19 By JL						
pH	SM4500-H-B	AB92732	0.1	26-Feb-19 (PL)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92745	0.05	27-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB92632	1.8	28-Feb-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB92632	1.8	28-Feb-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0741

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/26/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arroyo (ARC)	02/26/19	
Received by			2/26/19	1240
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/26/19	1406

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? Yes (No)

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
AQ - Wate
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under this following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or utilization of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterlabs (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the container which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples materials provided by Client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or Client is late to pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided thereon will be for the exclusive use and benefit of Client and not in agreement shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third parties any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases, and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons & 2. loss of, damage to, or destruction of real or personal property, and or 3. financial loss of every kind of character. This indemnity shall not apply to any of the foregoing losses, claims, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client may otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by adequate liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption, litigation expenses or expert fees (including, without limitation, attorney's fees, court costs and the cost of in-house counsel) incurred by client or any third party in any way arising against or in favor of PCL or any indemnified person in connection with this agreement. In all proceedings filed under the agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, waste, and substances which are declared, determined, classified as such under federal, state or local laws, rules, PCL shall not be liable for any handling, storage, transportation, disposal or treatment of hazardous materials, toxic substances or contaminants (collectively "Hazardous Materials") Client understands and agrees that any Hazardous material received by PCL from Client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or as PCL's QA/QC policies. In the event no client directive specify is preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos bulk analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an open credit account, the terms for payments of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law or as applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or effort.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and Client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity, for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on PCL data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the client's provision of consulting with, diversity or indemnity to any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are received on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times (< 7 days), samples must arrive at the earlier of 1 half before 4:00pm local time that is 3 holding times can be met. Short holding times of 72 hours or less (holders) is 3 hours must be received that same day in order to guarantee holding times are met. After hours, late delivery, Friday delivery, days or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the collection date of the first sample and are subject to change without notice.

17. Sample Retention

All samples are stored for 30 days (thirty (30) days after results has been completed. Sample storage for longer periods is by request only. Any arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling may be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Mar-19 16:36
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0743-01) Collected: 26-Feb-19 By CA						
Ammonia as N	EPA 350.1	AB92810	0.10	28-Feb-19 (SGS)	0.11 mg/l	
Biochemical Oxygen Demand	SM 5210B	AB92739	2	04-Mar-19 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AB92634	0.02	26-Feb-19 (LA)	1.40 mg/l	
Nitrite as N	EPA 353.2	AB92634	0.02	26-Feb-19 (LA)	0.04 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB92740	0.10	28-Feb-19 (LA)	0.13 mg/l	
Total Suspended Solids	SM 2540D	AB92738	1	27-Feb-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0743

Customer: IPC, Inc.		**Project:** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/26/19	1145	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/26/19	1240
Received by			2/26/19	1240
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Valle Jr	2/26/19	1412

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing & executed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed by the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and expenses (including, but not limited to, attorneys' fees, litigation expenses and amounts arising in favor of Client or any third party as a result of, and/or in any way involving incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or characterization, handling or disposal of client's hazardous materials, 1. injury, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind and character. This indemnity does not apply to any of the foregoing losses, costs, damages, to matters caused solely by the active negligence or willful misconduct of PCL or its employees. Further, the indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, expert costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any legal action against or involving PCL or any indemnified person in connection with this agreement or as services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified at such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when invoice is completed is required for all new clients or until a history of payments and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (30) unless otherwise (30) days from date of invoice. To the extent a client pays (30) or more days after applicable law, any invoiced amount or the invoiced charge is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees to PCL. Fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and a client authorized representative, except that subsequent to fees for additional services may be issued in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished to PCL. Client is retaining services hereunder for its own account, and not as agent or broker, or in any other intermediary capacity, for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party is entitled to rely on any data, information or reports. Client agrees, warrants, and agrees that said data, information and reports are not intended, or shall be used to solicit within connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any portion of other reporting to the holders of any security, the securing, solicitation, renewal, or extension of any loan from any financial institution or other holder of the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 72 hrs), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (excepting 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

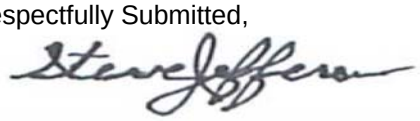
Attention: Ric Vardel
Report Date: 13-Mar-19 16:43
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19B0745-01) Collected: 26-Feb-19 By JL						
Biochemical Oxygen Demand	SM 5210B	AB92739	2	04-Mar-19 (SGS)	357 mg/l	
Total Suspended Solids	SM 2540D	AB92738	1	27-Feb-19 (SGS)	133 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0745

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. Q.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	02/26/19	1040	1	TSS	Grab	AQ	1L P	4°C	
〃	〃	〃	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Q.	Carlos Aguirre (Cpc)	02/26/19	1240
Received by	Ele	Cristo per	2/26/19	1240
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Alex Walk Jr	Alex Walk Jr	2/26/19	1421

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that there shall be no third party beneficiaries of such reports, data or information. Client shall not disclose to any third party any information concerning technical information, methods or reports or other communications.

10. Hold Harmless

Client releases, and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys' fees (for a full plaintiff's recovery) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons, 2. loss of, damage to, loss of, or loss of use of property, and or 3. financial loss of every kind or character. The foregoing does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any rights which the clients might otherwise possess PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance it carries or is required by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) (Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, petrochemicals (oil/grease), bacteria or any other hazardous or toxic material, wastes and substances which are designated, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a simple disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotations or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due on or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is providing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information, and reports are not requested or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours, or allow PCL to meet holding times without applying a rush surcharge. For short holding times, 72 hours, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of our fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

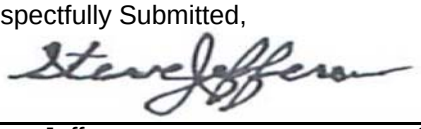
Attention: Ric Vardel
Report Date: 13-Mar-19 12:28
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0797-01) Collected: 27-Feb-19 By C. A.						
pH	SM4500-H-B	AB92805	0.1	27-Feb-19 (JC)	8.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92806	0.05	28-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB92744	1.8	01-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB92744	1.8	01-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0797

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/27/19	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.34 / 18.1°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (ABC)	02/27/19	11:30
Received by	ARMANDO OLMOS (ABC)	2/27/19	11:30
Relinquished by	ARMANDO OLMOS (ABC)	2/27/19	16:40
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	2/27/19	1640

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Mar-19 12:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19B0817-01) Collected: 28-Feb-19 By C. A.						
pH	SM4500-H-B	AB92825	0.1	28-Feb-19 (PL)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AB92824	0.05	28-Feb-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB92804	1.8	02-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB92804	1.8	02-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19B0817

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/28/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.8 / 20.5
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	02/28/19	11:17
Received by		Cindy Martinez PCL	2/28/19	11:17
Relinquished by		Cindy Martinez PCL	2/28/19	12:45
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	2/28/19	1245

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

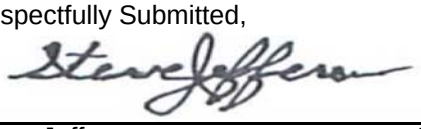
Attention: Ric Vardel
Report Date: 13-Mar-19 12:41
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0016-01) Collected: 01-Mar-19 By C. A.						
pH	SM4500-H-B	AC90226	0.1	01-Mar-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC90117	0.05	01-Mar-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC90112	1.8	03-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC90112	1.8	03-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0016

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv	Field Data (pH / Temperature) pH: Field (Lab)
EFF	03/01/19	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.64/20.3
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name	(Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez	(SPE)	03/01/19	
Received by	Elg Carlos		PCL	3-1-19	1210
Relinquished by	Elg Carlos		PCL	3-1-19	1400
Received by					
Relinquished by					
Received in lab by				3-1-19	1400

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO -Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type PI- Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or her heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of these terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or conditions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL's standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provision to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the status and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results garnered by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such disclosure was observed. PCL reports and communications prepared thereunder are for the exclusive use and benefit of client and client's agent. There shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning testing, information, software programs or other communications.

10. Hold Harmless

Client agrees to and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way or coming incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or from customer handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence, tort or breach of contract by any subcontracted Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and our pre or post judgement interest), or any other expenses or costs incurred by client or any other party or any location against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples (materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, designated or identified as such under federal, state or local law) under PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any political or administrative interpretation of any thereof) the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law as well by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by Client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is entering services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 72 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

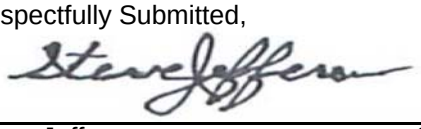
Attention: Ric Vardel
Report Date: 13-Mar-19 16:03
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0023-01) Collected: 02-Mar-19 By C. A.						
pH	SM4500-H-B	AC90229	0.1	02-Mar-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC90321	0.05	03-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC90225	1.8	04-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC90225	1.8	04-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0023

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	03/02/19	0955	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.63/15.2c
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Anaya (CAEL)	03/02/19	0955
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	3/2/19	0955
Received by				
Relinquished by				
Received in lab by	Jordan Corkery	Jordan Corkery	3/2/19	11:20

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedules, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of written analysis for the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (CLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or constituents of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoice amount for said services. Client's acceptance of a proposal or work order and proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase order or contract.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder, subject to payment for all services rendered and non-cancelable expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern each particular of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material provided by Client or at Client's request or of the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such disclosure was beyond PCL's control and information provided thereto, due to the ordinary use and benefit of Client and Client agrees there shall be no third party beneficiaries of such reports, data or information. Client waives its right to any third party confidential information concerning testing information, software, processes or other such systems.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all actions, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all costs (the Litigation Expenses) and expert witness fees arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. [Insert disclaimer or limit of property and/or 3. Loss of damage to, loss of use of any of property, and/or 4. Personal loss of any kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether or not in whole or in part, or the performance of services under this agreement. The foregoing indemnities will be in addition to any rights that the client might have at law or in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by adequate liability insurance coverage to be carried at by client, which insurance shall be in the minimum amounts required under applicable law. It is expressly PCL's desire to avoid all indirect, punitive, special, consequential or incidental damages and in no event shall PCL be liable to client for indirect, punitive, special, consequential or incidental damages, including, without limitation, loss of profit or business interruption, litigation expenses or attorneys' fees, including, without limitation, attorneys' fees, expenses, and any and all such damages, whether or not PCL has been advised of the possibility of such damages, and whether such damages are based on a claim or action by client or any other party, regardless of whether any such damages are sought for the breach or default of a contract, tort, negligence, strict liability, or any other theory of recovery, or otherwise in connection with this agreement or the services provided under this agreement even if client is the direct or third party beneficiary.

11. Hazardous Substances

For PCL to perform services requested by client, client will provide and PCL will utilize samples material. No employee, agent or subcontractor of PCL is authorized to perform any services involving hazardous materials or any other hazardous or dangerous activities, unless specifically authorized in writing by PCL. Client represents and warrants that it has complied with all applicable laws, rules, regulations and ordinances with respect to the disposal of any hazardous materials, substances or wastes removed from or brought to the site in connection with services performed hereunder. If PCL's personnel or subcontractors are exposed to unanticipated hazardous materials or conditions, PCL may withdraw from the project without any liability to client. Client agrees to indemnify and hold harmless PCL, its officers, employees, agents and subcontractors from any and all claims, losses, damages, liabilities and expenses, including but not limited to attorneys' fees and costs, arising out of or in connection with the presence, existence, handling, removal, disposal or exposure of persons to hazardous materials, substances or conditions in any form while under the client's possession or control, whether sole or concurrent or active or passive, or caused by the negligence or any other fault of PCL or any of its subcontractors.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or cash on delivery is required for all new clients or until credit of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If suspect amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and the clients authorized representative. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by client in securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or syndication of any securities, any pledge or other hedging to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender, or the participation in or connection with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of sample receipt delivered or scheduled or other data on weekends, without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A listing of holding times can be provided to the client if requested. All samples will be held for a minimum of 14 days or less. Samples will be held indefinitely if client requests PCL to keep holding times without special storage. At least holding times of 7 days, samples must arrive at PCL within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 24 hours or less will require a 4 hours drop off time in order to guarantee holding times are met. After hours, late delivery, freight company failure or other issues are subject to a handling fee and/or the inability to meet holding times. All holding times are effective as of the publication date of the fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is available upon request and long term storage is subject to an additional charge. Samples will be disposed of at the end of the applicable retention time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays in the collection of samples, or services rendered, are subject to additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Mar-19 16:07
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0030-01) Collected: 03-Mar-19 By Julio Leal						
pH	SM4500-H-B	AC90325	0.1	03-Mar-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC90426	0.05	04-Mar-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC90324	1.8	05-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC90324	1.8	05-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0030

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Julio Lesk	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03-03-19	08:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.59 / 18.8°C
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Lesk	3-3-19	12:55
Received by	Jordan Corkery	3/3/19	12:55
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	3/3/19	14:43

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments thereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services consisting of sampling services and/or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Workstream (EAPS), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM), of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if laboratory or operational due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or associates to the client, arising out of or in connection with the services to be provided hereby, shall not exceed the invoiced amount for said services. Client expressly and unconditionally and forever releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the collection which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other communications.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, costs, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing to the extent any damages or injuries were caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall additionally apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or willful misconduct of client and its [illegible] Person, whether arising out of, or in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability or duty the client might otherwise have to PCL and the other indemnified persons. To the extent necessary, client shall waive, and agrees that its insurance carriers will be waive to the extent applicable, any subrogation rights to be exercised by them, which waivers shall be in the form of endorsements to client's applicable policies. In the event of PCL's inability to collect for indirect, punitive, consequential or special damages including, without limitation, loss of profit or business interruption (regardless of whether PCL was informed of the possibility of such damages), attorney's fees, court costs, and/or [illegible] judgment interest, or any other damages, in such amount incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement, or all services provided under this agreement, even if there is the prevailing party.

11. Hazardous Substances

[illegible] The client agrees, prior to any sample collection and/or delivery, to disclose to PCL any and all known hazardous substances such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic materials, wastes and substances which are defined, designated or classified as such under federal, state or local laws. PCL reserves the right to refuse to accept any sample that PCL believes, in its sole discretion, may be hazardous. Client shall indemnify and agrees that any "special handling" charges incurred by PCL from dealing with such samples shall be borne by client. Client shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples in accordance with PCL's standard practices. In the event the client does not timely, in PCL's sole discretion, dispose of samples, the client will reimburse PCL for all costs incurred by PCL in connection with the disposal of such samples. PCL reserves the right to charge the client for the reasonable storage of samples in accordance with PCL's normal sample disposal policy. In addition, all samples received by PCL for analysis hereunder, unless client has charged a sample disposal fee, will remain the property of client and PCL [illegible] will not be responsible for the storage of samples after [illegible] days from the completion of the analysis.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance is required when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any amount unpaid after the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure to PCL.

13. Agreement Modification

Changes, modifications or amendments of the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used by client in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of such securities, securing, amendment, renewal, or enforcement of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or other [illegible] days without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less samples must arrive within 30 minutes to allow PCL to meet holding times without charging a rush surcharge. All short holding times, [illegible] must be delivered at the lab within 24 hours. [illegible] Holding times of 48 hours or [illegible] hours must be delivered [illegible] to allow PCL to guarantee holding times are met. After hours, Sat delivery, freight company delays or similar issues are subject to additional rush fees and/or fee [illegible] to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Samples received for legal purposes will be retained for a [illegible] period of time. Samples will be returned to client at client's request and charge. Samples will be disposed of at the end of the [illegible] storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or sample. Unnecessary delays during the pick up or sampling might be assessed additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

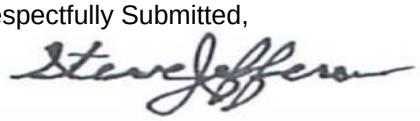
Attention: Ric Vardel
Report Date: 13-Mar-19 16:12
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0047-01) Collected: 04-Mar-19 By Customer						
pH	SM4500-H-B	AC90530	0.1	04-Mar-19 (PL)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC90531	0.05	05-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC90437	1.8	06-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC90437	1.8	06-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 9C0047

(MCC) Daily EFF

Customer: IPC, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. D.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/04/19	0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.01 / 16.7°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GSE)	03/04/19	1120
Received by		ARMANDO OLMOS (PHT/CLEN)	3/4/19	1120
Relinquished by		ARMANDO OLMOS (PHT/CLEN)	3/4/19	1600
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/4/19	1600

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

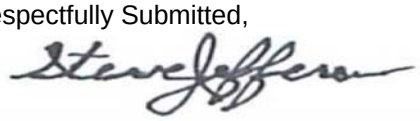
Attention: Ric Vardel
Report Date: 13-Mar-19 16:39
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0046-01) Collected: 04-Mar-19 By Customer						
Ammonia as N	EPA 350.1	AC90528	0.10	05-Mar-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AC90534	2	10-Mar-19 (VL)	<2 mg/l	
Nitrate as N	EPA 353.2	AC90532	0.02	05-Mar-19 (LA)	0.21 mg/l	
Nitrite as N	EPA 353.2	AC90532	0.02	05-Mar-19 (LA)	0.13 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AC90635	0.10	07-Mar-19 (LA)	0.33 mg/l	
Total Suspended Solids	SM 2540D	AC90529	1	05-Mar-19 (SGS)	1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0046

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/04/19	0930	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/04/19	1120
Received by		ARMANDO OLMOS (PATCHEM)	3/4/19	1120
Relinquished by		ARMANDO OLMOS (PATCHEM)	3/4/19	16:00
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/14/19	1600

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

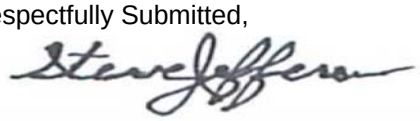
Attention: Ric Vardel
Report Date: 13-Mar-19 16:45
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19C0049-01) Collected: 04-Mar-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AC90534	2	10-Mar-19 (VL)	549 mg/l	
Total Suspended Solids	SM 2540D	AC90529	1	05-Mar-19 (SGS)	258 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0049

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** ~~949-282-9067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/04/19	1010	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
~~Global ID: WDR100000359~~

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (PCL)	03/04/19	11:20
Received by		ARMANDO OLMOS (PATCHEM)	3/4/19	11:20
Relinquished by		ARMANDO OLMOS (PATCHEM)	3/4/19	16:00
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

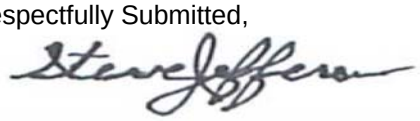
Attention: Ric Vardel
Report Date: 13-Mar-19 16:15
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0110-01) Collected: 05-Mar-19 By JA						
pH	SM4500-H-B	AC90543	0.1	05-Mar-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC90542	0.05	05-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC90533	1.8	07-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC90533	1.8	07-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190110

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-282-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	03/05/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/05/19	
Received by		Edgar Cuevas pcl	3/5/19	1255
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (RV)	3/5/19	1705

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? Yes (No)

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Mar-19 20:26
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0123-01) Collected: 05-Mar-19 By JL						
Boron	EPA 200.7	AC90816	0.10	15-Mar-19 (AF)	0.45 mg/l	
MBAS	SM 5540C	AC90628	0.20	06-Mar-19 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AC90631	5	06-Mar-19 (VD)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AC91142	0.03	11-Mar-19 (LA)	0.10 mg/l	
Total Dissolved Solids	SM 2540C	AC90639	5	08-Mar-19 (EA)	1084 mg/l	
Chloride	EPA 300.0	AC90709	1.0	07-Mar-19 (AV)	234 mg/l	
Sulfate as SO4	EPA 300.0	AC90709	0.5	07-Mar-19 (AV)	327 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0123

Customer: IPC, Inc.		Project: (MCC) Monthly EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/05/19	1040	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/05/19	
Received by	EG Evans	per	3/5/19	1255
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/5/19	1906

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

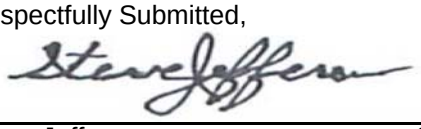
Attention: Ric Vardel
Report Date: 13-Mar-19 16:17
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0145-01) Collected: 06-Mar-19 By E.Garcia of PCL						
pH	SM4500-H-B	AC90644	0.1	06-Mar-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC90647	0.05	06-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC90636	1.8	08-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC90636	1.8	08-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0145

Customer: IPC, Inc.

Project : (MCC) Daily EFF

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: C. Vardel

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/06/19	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Vardel	Carlos Vardel (ZAP)	03/06/19	
Received by	EB	Eduardo (PCL)	3.6.19	1340
Relinquished by	EB	Eduardo (PCL)	3.6.19	1443
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/6/19	1440

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

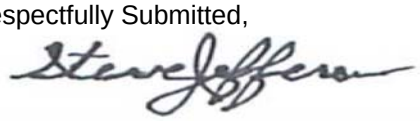
Attention: Ric Vardel
Report Date: 13-Mar-19 16:19
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0172-01) Collected: 07-Mar-19 By C. A.						
pH	SM4500-H-B	AC90804	0.1	07-Mar-19 (PL)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC90807	0.05	08-Mar-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC90713	1.8	09-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC90713	1.8	09-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: MC0172

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/07/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/07/19	
Received by			3-7-19	1220
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/7/19	1349

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

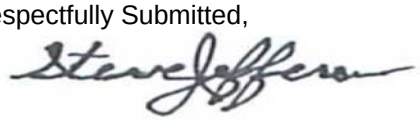
Attention: Ric Vardel
Report Date: 13-Mar-19 16:22
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0188-01) Collected: 08-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC90921	0.1	08-Mar-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC90807	0.05	08-Mar-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC90822	1.8	10-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC90822	1.8	10-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0188

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	03/08/19	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.55/17.5°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by C. Alvarez	Carlos Alvarez (SRC)	03/08/19	11:25
Received by	Armando Olmos (PATCHEM)	3/8/19	11:25
Relinquished by	Armando Olmos (PATCHEM)	3/8/19	14:30
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	3/8/19	1430

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

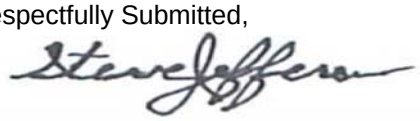
Attention: Ric Vardel
Report Date: 13-Mar-19 16:24
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0222-01) Collected: 09-Mar-19 By Golan Kfir						
pH	SM4500-H-B	AC90926	0.1	09-Mar-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC90925	0.05	09-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC90920	1.8	11-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC90920	1.8	11-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0222

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	3/9/19	9:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.73 / 8.1°
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/9/19	10:00
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	3/9/19	1017
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	3/9/19	11:40

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or restated from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboards (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made in a fashion consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for such services. Client's acceptance of a work order and our proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and around the sampling site and for advising PCL of the same and of information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder (Client to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided thereon are for the exclusive use and benefit of client and client agrees that it shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, or damages, claims, civil fines, causes of action, suits and consultant expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, or in connection with the performance of services by PCL pursuant to this agreement and/or the adulteration, marketing or disposal of client's characteristic materials: 1. injury, illness or death of persons 2. loss of, damage to, or use of any property of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or breach of representations by client, client's employees, agents, or subcontractors, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any rights which the client might otherwise have at PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be maintained by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages, including without limitation, loss of profit or business interruption, litigation expenses or other fees (including without limitation attorney's fees, court costs, and fees for any appeal thereof), or any other judgement or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement. In all events, PCL's liability under this agreement even if client is the prevailing party.

11. Hazardous Substances

Prior to PCL to perform the services requested by client, client will provide and PCL will receive samples material(s) whatever such as asbestos, polychlorinated biphenyls, radioactive or any other hazardous or toxic material, wastes and substances which are defined, determined or prescribed as such under federal, state or local laws, rules, PCL's standard operating procedures, or regulations (collectively "Hazardous Substances"). Client understands and agrees that no facilities or service rendered by PCL from client or at client's premises, shall include the generation of Client and that upon completion of PCL's services, PCL will dispose of all or any of portions of samples as specified by client or by PCL's SOP/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Substances. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analytical analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for the client's use of or reliance on data, information, or reports furnished by PCL. Client in ordering services hereunder for his own account, and not as agent or broker or in any other representative capacity for any other person or entity, is to agreed and acknowledges that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, expressly and agrees that such data, information and reports are not requested, or shall be used to induce upon in connection with or as part of, the purchase, sale, assignment, or distribution of any securities, any reference to or reporting to the holder of any security, the sending, amendment, renewal, or extension of any loan from any financial institution or other lender or the consideration by or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If for any reason we cannot meet the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be followed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours or more PCL to meet holding times without applying a rush surcharge. For most holding times, i.e. those samples not in excess of the 96 hours (4 days) before expiration, notify that they might have can be met. In the holding times of 48 hours or less it is very important delivered that same day in order to guarantee holding times are met. After hours, late deliveries, weekend delivery service or similar situations subject to additional conditions about the analyses to meet holding times. All holding times are verified at the preparation date of the lab schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is available. Pre-arranged long term storage is subject to monthly storage charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included in the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accepted an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

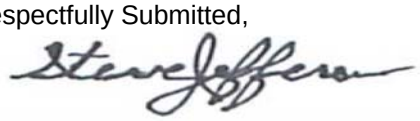
Attention: Ric Vardel
Report Date: 13-Mar-19 16:27
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0227-01) Collected: 10-Mar-19 By C.A.						
pH	SM4500-H-B	AC91126	0.1	10-Mar-19 (PL)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC91127	0.05	11-Mar-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91021	1.8	12-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91021	1.8	12-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0227-0001

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	03/10/19	0950	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.67/18.9°
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (IPC)	03/10/19	13:05
Received by:	Jordan Corkery	03/10/19	13:05
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	03/10/19	1458

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments thereto which are agreed to in writing. "Client" means the individual or entity which requests laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board (CLARI), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the Recognized Standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or contractors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for assure PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern the performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples materials furnished by client or at client's request and the results rendered by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees it may shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning techniques, information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys' fees, litigation expenses and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. It being the intent of the parties hereto that PCL shall not be liable to Client for any claims, liabilities or penalties resulting from Client's failure to comply with any laws, regulations or ordinances. Client shall indemnify and hold harmless PCL and its employees, officers, directors, agents, affiliates, subsidiaries and parent from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys' fees, court costs, and amounts paid in settlement and/or judgment, arising out of or in connection with the negligence, gross negligence or willful misconduct of Client, its employees, agents, contractors or subcontractors.

11. Hazardous Substances

It is PCL's practice to dispose of samples submitted by client and provide PCL will review samples submitted for analysis such as asbestos, polychlorinated biphenyls, explosives or any other hazardous or radioactive wastes and substances which are defined, designated or classified as such under federal, state or local laws. Each PCL customer representative (whether now existing or have that enacted or promulgated by any political or administrative organization of any kind or the International Maritime Dangerous Goods Code, as amended from time to time) and to which PCL shall operate in strict compliance with such laws. Client agrees to comply with all laws applicable to the handling, storage, treatment and disposal of Client's hazardous materials. PCL reserves the right to charge the client for the disposal of Client's samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos bacterial analysis, shall not be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation, or the date the services were performed or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and its applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or actions.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by Clients authorized representative. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished to Pat-Chem. In utilizing services hereunder for its own account and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that such data, information and reports are not intended for, or shall be used to reject upon, in connection with or as part of the purchase, sale, underwriting, or in the offering of any securities, any portion or other interest in the ownership and leasing, the servicing, amendment, renewal or extension of any loan from any financial institution or other lender or the participation in or connecting with, directly or indirectly, any governmental agency or instrument.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If for any unforeseen reason the turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding samples that are received expired or samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the Client if requested. All analytes with holding times of 72 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 24 hours, samples must arrive at the lab within 24 hours and we cannot guarantee that the holding times can be met. Short holding times of 48 hours or less, fractions of hours must be indicated (not 1 day) in order to guarantee holding times are met. Other hours, late delivery, freight company delays or other issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analytical data is reported. Samples will be held for longer periods if so requested. Prior to long term storage it is subject to an additional charge. Samples will be maintained at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been collected on the line item basis. A sufficient time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

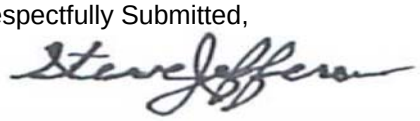
Attention: Ric Vardel
Report Date: 13-Mar-19 16:33
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0261-01) Collected: 11-Mar-19 By C.A.						
pH	SM4500-H-B	AC91235	0.1	11-Mar-19 (PL)	8.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC91236	0.05	12-Mar-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91139	1.8	13-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91139	1.8	13-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0261

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Abarca	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/11/19	0945	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.1 / 18.7
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Abarca	Carlos Alvarez (PCL)	03/11/19	11:40
Received by		Cindy Martinez PCL	3/11/19	11:40
Relinquished by		Cindy Martinez PCL	3/11/19	5:11
Received by				
Relinquished by				
Received in lab by		MARIO SANTESTEBAN (PCL)	3/11/19	1511

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

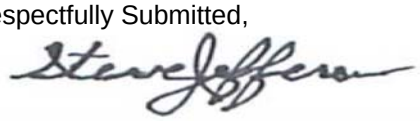
Attention: Ric Vardel
Report Date: 20-Mar-19 20:29
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0257-01) Collected: 11-Mar-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AC91225	0.10	12-Mar-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AC91237	2	17-Mar-19 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AC91230	0.20	12-Mar-19 (LA)	2.64 mg/l	
Nitrite as N	EPA 353.2	AC91230	0.02	12-Mar-19 (LA)	0.06 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AC91334	0.10	14-Mar-19 (LA)	0.47 mg/l	
Total Suspended Solids	SM 2540D	AC91226	1	12-Mar-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0257

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C. D.	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/11/19	0945	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Duran (IPC)	03/11/19	11:40
Received by		Cindy Martinez PCC	3/11/19	11:40
Relinquished by		Cindy Martinez PCC	3/11/19	311
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/11/19	1511

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

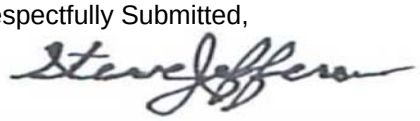
Attention: Ric Vardel
Report Date: 20-Mar-19 20:33
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19C0246-01) Collected: 11-Mar-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AC91237	2	17-Mar-19 (SGS)	418 mg/l	
Total Suspended Solids	SM 2540D	AC91226	1	12-Mar-19 (SGS)	167 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0246

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/11/19	0930	1	TSS	Grab	AQ	1L P	4°C	
1	1	1	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	03/11/19	11:50
Received by		Courier/Fedex	3/11/19	11:50
Relinquished by		Courier/Fedex	3/11/19	3:11
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/11/19	1511

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

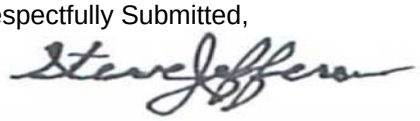
Attention: Ric Vardel
Report Date: 20-Mar-19 20:00
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0293-01) Collected: 12-Mar-19 By C.A.						
pH	SM4500-H-B	AC91235	0.1	12-Mar-19 (PL)	6.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC91337	0.05	13-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91234	1.8	14-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91234	1.8	14-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910293

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/12/19	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name	(Company)	Date	Time
Relinquished by GK	Golan	IPC	3/12/19	11:35
Received by EG	Carvalho	PCL	3/12/19	1200
Relinquished by EG	Carvalho	PCL	3.12.19	1330
Received by				
Relinquished by				
Received in lab by	PCL		3-12-19	1330

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payments for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by Client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client-hazardous materials 1. injury, disease or death of persons 2. loss of, damage to, loss of, or use of property, and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance (coverages to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruptions. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any location against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls (PCB), radioactive materials, explosives, chemical warfare agents or any other hazardous or toxic chemical, wastes and substances which are defined, designated or classified as such under federal, state or local laws, rules PCL agrees

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

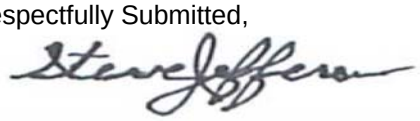
Attention: Ric Vardel
Report Date: 20-Mar-19 20:04
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0311-01) Collected: 13-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC91344	0.1	13-Mar-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC91345	0.05	13-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91325	1.8	15-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91325	1.8	15-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0311

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/13/19	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (GRC)	03/13/19	
Received by	EG	Carlos (PCL)	3.13.19	1300
Relinquished by	EG	Carlos (PCL)	3.13.19	1500
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/13/19	1500

Sample Received Checklist 4°C

Temperature upon receipt: _____

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

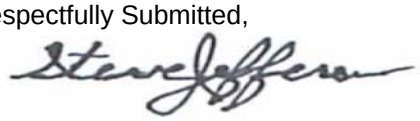
Attention: Ric Vardel
Report Date: 20-Mar-19 20:08
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0364-01) Collected: 14-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC91421	0.1	14-Mar-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC91420	0.05	14-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91404	1.8	16-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91404	1.8	16-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0364

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project: **(MCC) Daily EFF**

Sampled by: C. Lee

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	03/14/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.4 / 18.0°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by:		Carlos Alvarez (IPC)	03/14/19	1203
Received by:		MARIO SANTIESTEBAN (PCL)	3/14/19	1203
Relinquished by:		MARIO SANTIESTEBAN (PCL)	3/14/19	1538
Received by				
Relinquished by				
Received in lab by:		MARIO SANTIESTEBAN (PCL)	3/14/19	1538

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

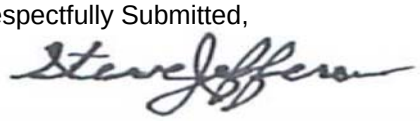
Attention: Ric Vardel
Report Date: 20-Mar-19 20:11
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0380-01) Collected: 15-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC91621	0.1	15-Mar-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC91622	0.05	16-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91515	1.8	17-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91515	1.8	17-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0380

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/15/19	1035	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (CAE)	03/15/19	1200
Received by		Evan (PCL)	3.15.19	1200
Relinquished by		Evan	3.15.19	1400
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/15/19	1425

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

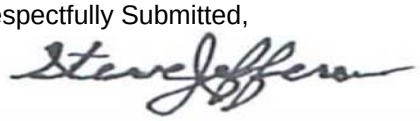
Attention: Ric Vardel
Report Date: 20-Mar-19 20:14
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0412-01) Collected: 16-Mar-19 By Golan Kfir						
pH	SM4500-H-B	AC91626	0.1	16-Mar-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC91717	0.05	17-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91620	1.8	18-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91620	1.8	18-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0412

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	3/16/19	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/16/19	10:30
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	3/16/19	10:30
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	3/16/19	11:29

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL was solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waller/Shield (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Waste water and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of, composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition, which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client reserves and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, claims, damages, losses, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third parties as a result of, and/or in any way resulting directly or arising out of, or in connection with the performance and services by PCL pursuant to this agreement and/or in connection with handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing to the damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and the cost of appellate proceedings), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules PCL outlines or regulations (and the rules, ruling or regulation enacted or promulgated in the future or administrative interpretation of any of the foregoing "Hazardous Materials") client understands and agrees that any hazardous materials owned by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for mycfall Bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's as provable price schedule in effect at the time of operations on the date the services were received or with price quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or where a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or any applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection expenditure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL or the clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is ordering services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or green lender or the verification of or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on Weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short holding times of 48 hours or less (Bacteria) 3 hours must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed as additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

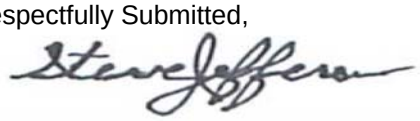
Attention: Ric Vardel
Report Date: 20-Mar-19 20:17
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0418-01) Collected: 17-Mar-19 By Golan Kfir						
pH	SM4500-H-B	AC91823	0.1	17-Mar-19 (PL)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC91822	0.05	18-Mar-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91716	1.8	19-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91716	1.8	19-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190418

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: C. Ja	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/17/19	0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
(	(	)	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by:	Carlos Alvarez (IPC)	03/17/19	12:05
Received by:	Alex Walker Jr	3/17/19	12:05
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr	3/17/19	1505

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°D

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payments for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases, and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way resulting, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party or any litigation related or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, codes PCL acquires or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients to until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount owned at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the owing client will pay reasonable costs and attorney's fees or agency fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is providing services for review for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of private securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL will not be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, i.e. 72 hours, samples must arrive at the lab within 24 hours before weekends to make sure the holding times can be met. Short holding times of 48 hours or less (bacteriology) 8 hours must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for, at its sole, thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been quoted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Mar-19 20:21
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0429-01) Collected: 18-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC91919	0.1	18-Mar-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC91920	0.05	19-Mar-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91829	1.8	20-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91829	1.8	20-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0429

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/18/19	0900	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alwan (IPC)	03/18/19	11 40
Received by	EG	Carlos PW	3.18.19	11:40
Relinquished by	EG	Carlos PCL	3.18.19	1245
Received by				
Relinquished by				
Received in lab by		MYRNA SANTIESTEBAN (PCL)	3/18/19	1245

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

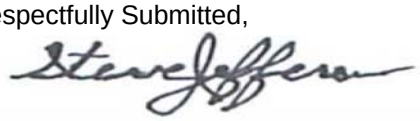
Attention: Ric Vardel
Report Date: 29-Mar-19 14:47
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19C0433-01) Collected: 18-Mar-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AC91923	2	24-Mar-19 (EG)	445 mg/l	
Total Suspended Solids	SM 2540D	AC91925	1	19-Mar-19 (EA)	153 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0433

Customer: IPC, Inc.		**Project:** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. Q.	**P.O. #:**
Irvine CA 92618		**Report Attention:** ~~Ric Vardel / Golan Kfir~~	**Phone #:** ~~949-382-0067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/18/19	0845	1	TSS	Grab	AQ	1L P	4°C	
1	1	1	1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
~~Global ID: WDR100000359~~

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Q.	Carlos Alvarez (PCL)	03/18/19	1140
Received by	EB	[illegible]	3.18.19	1140
Relinquished by	EB	[illegible]	3.18.19	1245
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/18/19	1245

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH
Matrix AQ - Water SO - Soil / Sludge OT - Other	ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

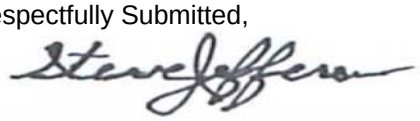
Attention: Ric Vardel
Report Date: 21-Mar-19 15:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0459-01) Collected: 19-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC92039	0.1	19-Mar-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92047	0.05	20-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC91928	1.8	21-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC91928	1.8	21-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0459

Customer: IPC, Inc.

Project : **(MCC) Daily EFF**

Address: 9297 Research Drive
Irvine CA 92618

Sampled by:

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/19/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	03/19/19	
Received by	EG	PCL	3/19/19	1245
Relinquished by	EG	PCL	3/19/19	1400
Received by				
Relinquished by				
Received in lab by		MARCO SANTIESTEBAN (PCL)	3/19/19	1400

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

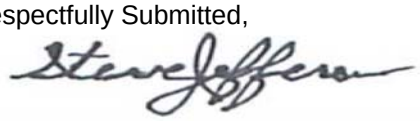
Attention: Ric Vardel
Report Date: 22-Mar-19 14:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0491-01) Collected: 20-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC92104	0.1	20-Mar-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92057	0.05	20-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92049	1.8	22-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92049	1.8	22-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190491

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C.	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/20/19	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	03/20/19	
Received by	EL		3/20/19	1150
Relinquished by	EL		3/20/19	1345
Received by				
Relinquished by				
Received in lab by			3.20.19	1345

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was met. With PCL reports and information provided means are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information, including technical information, software, processes or other procedures.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys fees (for litigation, arbitration and appeals), asserted in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. claim of damage to, loss of, or loss of use of property; and/or 3. any violation of every kind of the same. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, the indemnity of all specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, expert costs, and for pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of each order's or the date the services were rendered or as the most current and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due upon which services is performed is received for all new clients, or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30DAYS which is 30 Days from date of invoices. To the fullest extent permitted by or as allowed by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the rate of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If the said amount is not settled through legal proceedings or by an amicable, the client shall pay reasonable collection and attorney's fees or specific fees associated with such collection irrespective of others.

13. Agreement Modification

Changes, modifications or amendments to this contract shall be effective only in writing and executed by an officer of PCL and by client's authorized representative. Verbal changes subsequent to fees for additional services may be invoiced at the time.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. PCL and its personnel services hereunder for the sole benefit, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turn around time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours or above PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria 6-8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the ability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample receipt for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, may be processed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

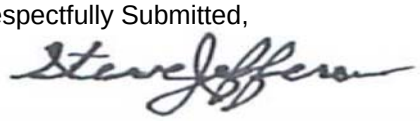
Attention: Ric Vardel
Report Date: 29-Mar-19 14:20
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0532-01) Collected: 21-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC92213	0.1	21-Mar-19 (JC)	6.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92214	0.05	22-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92118	1.8	23-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92118	1.8	23-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1905532

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C.	
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	P.O. #:
			Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/21/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.30
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarado (CA)	03/21/19	1200
Received by	Eli	Eli Cuevas PCL	3.21.19	1200
Relinquished by	AB	Cuevas PCL	3.21.19	1410
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/21/19	1410

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

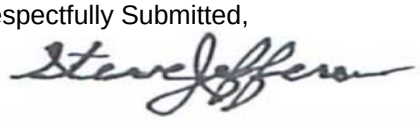
Attention: Ric Vardel
Report Date: 29-Mar-19 14:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0572-01) Collected: 22-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC92328	0.1	22-Mar-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92327	0.05	23-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92212	1.8	24-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92212	1.8	24-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910572

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/22/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Rivera (IPC)	03/22/19	
Received by		MV	3.22.19	1220
Relinquished by		MV	3.22.19	1330
Received by				
Relinquished by				
Received in lab by		MV	3.22.19	1330

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or restated from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the Terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including all analysis of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in this profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), ("A Work Natural (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM), or the Examination of Water and Wastewater, or other similar recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work sheet and /or analytical releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase order or contract.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the nature and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and cost of packet expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials submitted by client or its clients's consult and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information or guided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information including technical information, software programs or other item without

10. Hold Harmless

Client indemnifies and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, recoverable causes of action, suits and associated expenses (including, but not limited to all costs (less the Litigation Expenses) and awards arising in favor of Client or asserted each as a result of, and/or in any way ongoing incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or in connection handling or disposal of client's hazardous materials: 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property, and or 3. Financial loss of every kind or character. The indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any subcontractor hereto, whether actual or alleged, in the performance of services under this agreement. The following schedules will be applicable to any liability which the client might incur or have in PCL and the other indemnified persons: To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by adequate liability insurance coverage to be furnished by client, which insurance shall be in the minimum amounts prescribed under applicable law. In no event shall PCL be liable to client for any lost, business, agency, incidental or consequential damages (including, without limitation, loss of profit or business interruption), litigation expenses or attorneys fees (including, without limitation, attorney's fees, court costs, and out of pocket expenses incurred by any other party in any way connected with any action, suit or other legal proceeding which is brought by client or any other party, in any way arising out of or relating to this agreement, regardless of whether such damages were foreseen or unforeseen, in connection with this agreement, except solely to the extent that such damages are caused by the gross negligence or willful misconduct of PCL.

11. Hazardous Substances

As PCL is permitted, the services requested by client, client and possibly and PCL will receive samples or materials for analysis (such as asbestos, polychlorinated biphenyls, lead or any other hazardous or toxic substance, wastes and substances which are regulated, controlled or identified as such under federal, state or local laws, rules, PCL advises or requests) (collectively, the "Hazardous Materials"). Client represents and agrees that any Hazardous Material received by PCL from client or its client's request shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or as PCL's QA/QC policies. In the event the client does not specify, or client's request is unclear, PCL will return to the client all unused samples which contain less than 1 liter/quart. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any of bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account may have been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees of agents' fees as determined and such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services for/under for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party shall rely on such data or information or reports. Client represents, warrants, and agrees that said data, information, and reports are not required to, shall be used to recognized, incorporated within or part of, the purchase, sale, underwriting, or distribution of any securities, the securing, extension, renewal, or extension of any loan from any source of institutional or other lender or the participation in or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after work or improperly collected prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to all samples being received by PCL. A list of holding times can be provided in the event if requested. All samples with holding times of 14 days or less, samples must arrive within 24 hours of collection for PCL to meet holding times, unless otherwise specified and accepted by PCL. All short holding times (i.e. 15 minutes, 24 hours, 48 hours, etc.) or samples of the lab within 24 hours of collection, it is the client's responsibility to ensure that the holding times can be met. Short holding times of 48 hours or less (72 hours in some cases) must be discussed with PCL prior to sampling to guarantee holding times are met. After hours, the weekend, holiday delivery of samples could result in holding times being exceeded. Samples received outside of business hours are subject to additional fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for 30 to 60 days (30 days after results have been completed). Sample storage for longer periods is by request only. Long term storage may require an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/shipping fees have been defined in our fee schedule. Reasonable time has been estimated for each pick up or delivery. Unnecessary delays during the pick up or sampling (such as an attempted redelivery for

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

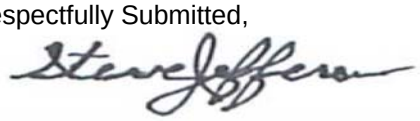
Attention: Ric Vardel
Report Date: 12-Apr-19 15:15
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0571-01) Collected: 22-Mar-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AC92524	0.10	25-Mar-19 (SGS)	0.56 mg/l	
Biochemical Oxygen Demand	SM 5210B	AC92532	2	30-Mar-19 (EG)	2 mg/l	
Nitrate as N	EPA 353.2	AC92221	0.02	22-Mar-19 (LA)	1.02 mg/l	
Nitrite as N	EPA 353.2	AC92221	0.02	22-Mar-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AC92527	0.10	26-Mar-19 (LA)	1.32 mg/l	
Total Suspended Solids	SM 2540D	AC92531	1	25-Mar-19 (EA)	1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 196571

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/21/19		1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
	03/22/19	1030	1	NH4, TKN	Grab	AQ	500 P	HS	
	03/22/19	1030	1	NO2, NO3	Grab	AQ	500 P	4°C	
	03/21/19		1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Rivera (IPC)	03/22/19	
Received by	EC	[illegible]	3.22.19	1220
Relinquished by	EC	[illegible]	3.22.19	1330
Received by				
Relinquished by				
Received in lab by			3.22.19	1330

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? ~~Yes~~ No

Samples intact? ~~Yes~~ No

Samples properly preserved? ~~Yes~~ No

Samples in holding time? ~~Yes~~ No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
~~Grab~~ Comp	HC - HCl
Matrix	HS - H_2SO_4
AQ - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may offer services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement by or bound to these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or as client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or court process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such disclosure was beyond PCL's reasons and information provided thereon are for the exclusive use and benefit of client and client agrees that it shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software or processes or other intellectual

10. Hold Harmless

Client releases and will save, indemnify, defend and hold PCL, having been, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and expenses including, but not limited to, attorneys fees (the obligation to indemnify and hold harmless shall apply whether Client or any third party acts as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, pollution or loss of use of property and/or 3. Environmental harm of every kind or character. This indemnity shall apply to any of the foregoing losses, costs, damages or expenses caused solely by the active negligence or willful misconduct of PCL or its employees. Further, and consistently with, if not limited by, law, claims, damages, penalties of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profits or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest)), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order by PCL. Prices are subject to change at any time without notice. Payment in advance or when services are completed is required for all new clients or until a history of payment and credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET EOM within thirty (30) days from date of invoice. To the fullest extent permitted by all applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate recommended by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are referred to a collection agency or attorney, the client shall pay reasonable collection and attorney's fees or expenses both associated with such collection proceedings or efforts.

13. Agreement Modification

Changes in specifications or acceptance of offers to the terms shall be effective only in writing and executed by an officer of PCL and the client authorized representative. Unless otherwise subsequent orders for additional services may be given by or to agents.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports will not be used in, or shall be used to rely upon, in connection with or as part of the purchase, sale, underwriting, or all distribution of any securities, any periodic or other reporting to the holders of any securities, the securities, advertisement, removal or extinguishment any bank loan any financial obligation or other lender or the satisfaction of or operating with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (excluding 0 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

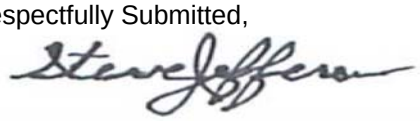
Attention: Ric Vardel
Report Date: 12-Apr-19 15:20
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19C0573-01) Collected: 22-Mar-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AC92532	2	30-Mar-19 (EG)	377 mg/l	
Total Suspended Solids	SM 2540D	AC92531	1	25-Mar-19 (EA)	98 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960573

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/21/19		1	TSS	Grab	AQ	1L P	4°C	
"	"		1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	03/22/19	
Received by	EC		3-22-19	1220
Relinquished by	EC		3-22-19	1330
Received by				
Relinquished by				
Received in lab by			3-22-19	1330

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any amendments or additions which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consisting of sampling services and PCL's (PCL, successors, assigns) and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule or such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers expressly accepts orders for sales as (as defined below) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which incorporates the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Order of Services (SOC) to PCL. Any such order constitutes 1. an acceptance by the Client of PCL's offer to do business with the Client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions appearing in a client's document shall be deemed to be or form a part of the contract (each such acceptance of the terms and conditions).

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of performance in the profession where applicable. PCL will use such reasonable efforts which are in accordance consistently with the U.S. Environmental Protection Agency (EPA), U.S. Waterboard (TCLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (6th) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or characteristics of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The entire liability of PCL, its officers, agents, employees or its servants to the client, arising out of or in connection with the services to be provided hereto, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the safety and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples to be taken provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or client has told to pay PCL for all services rendered to it, otherwise in regard to the agreements subject to, or client is required by law or legal process and shall use the same standard of care it uses in protecting its own confidential data and information, but shall not be responsible for unauthorized disclosure of such data which cannot be prevented by PCL's exercise of such standard of care. PCL shall use such information for the exclusive use and benefit of client and client agrees that there shall be no third party beneficiaries of such reports, data or information. Client will not disclose any PCL's advisory information concerning technical information, price and specifics or other terms of work.

10. Hold Harmless

Client agrees and does hereby indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all claims, losses or damages, costs, liabilities, lawsuits or actions, suits and reasonable attorneys' fees, including, but not limited to, those that are brought or asserted and awarded arising in favor of client or any third party or a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and transportation, handling or disposal of client's hazardous substances, including, but not limited to, death of persons, property damage, injury, or loss of use or power to enjoy. A financial loss of every kind of client for any reason does not qualify as any of the foregoing unless such damages or injuries are caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not apply to claims, damages, actions or causes of action arising out of or in connection with the negligence of or willful misconduct by any employee, agent or representative of PCL, whether active or passive, in the performance of services under this agreement. The foregoing indemnities are to be mutual. In any case to which the client might otherwise have to indemnify PCL and the same indemnified herein. To the extent that any party would claim that, under Texas law, this indemnity provision will be supported by adequate consideration, it shall be furnished by client, which is acknowledged to be in the amount of $100.00 (a nominal sum) unless otherwise set forth in the invoice. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages, including without limitation, loss of profits or revenues, increased operation expenses or other, including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any manner against or involving PCL or any indemnified person in connection with this agreement or as otherwise provided under this agreement, even if injury to the prevailing party.

11. Hazardous Substances

For PCL to perform the services required by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (or other new existing or hereafter enacted or promulgated) (collectively "Hazardous Materials"). Client understands and agrees that any Hazardous Materials received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aquatic bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of completion on the date the services are performed unless prices are fixed and quoted and in writing. The price schedule is subject to change at any time without notice. A current schedule of rates and prices is incorporated by reference herein. Client shall pay PCL for all services rendered to it otherwise in accordance with PCL's then-current credit and collection policies. Client shall pay PCL's invoices within thirty (30) days from the date of invoice. Time is of the essence with respect to payment. Unless otherwise agreed to in writing, all payments must be made in US dollars. Payments must be made by check or wire transfer. All payments are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law and applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are given to a collection agency or an attorney, the client shall pay reasonable costs and attorney's fee in regard to the collection and collection of same.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client and shall reference this agreement. Oral or other communications between PCL and client shall not be binding.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished to PCL. Client is retaining services hereunder for its own account, and not as agent or broker or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no 3rd party may rely on conclusions, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended for, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or syndication of any securities, any periodic or other reporting to the issuer of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the participation in or consulting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged or authorized. If, for any unforeseen reasons, the turn-around time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded in cases of samples that are received on weekends or short holiday weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All three hour times, 2-7 days samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) is however, must be delivered the same day in order to guarantee holding time can be met. After hours, late delivery, weekend delivery or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the preparation date of the lab sample and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Samples storage for longer periods is to be agreed on by the assigned long term storage is subject to an additional charge. Samples will be discarded at the end of the prior arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been stated on the fee schedule. Free sample bottles have been stocked for easy and quick service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Mar-19 14:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0584-01) Collected: 23-Mar-19 By Carlos Alvarez						
pH	SM4500-H-B	AC92331	0.1	23-Mar-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92333	0.05	23-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92326	1.8	25-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92326	1.8	25-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0584

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	03/23/19	0850	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54/4.5
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (CPL)	03/22/19	1020
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	3/23/19	1020
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	3/23/19	11:23

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4c

# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviation(s), if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, use of, or loss of use of property and or 3. Financial loss of every kind of character. This duty shall likewise apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverages to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and cost pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) the "Hazardous Materials". Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance of when analysis is completed is required for all new clients or with a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by Clients authorized representative, except that... subsequent written additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any Securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the syndication to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any work is being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, (7 days), samples must arrive at the lab within 24 hours. Please advise client to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) 24 hours must be received that same day in order to guarantee holding time requirement. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of the fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for a period ninety (30) days after analysis has been completed, unless storage for longer periods is the request only. Any arrangements for storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been initiated on the fee schedule. Reasonable time has been provided for each pick up or service. If unnecessary delays during the pick up or sampling might be invoiced an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

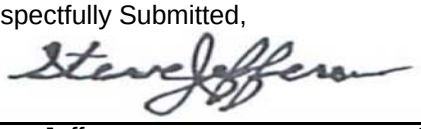
Attention: Ric Vardel
Report Date: 29-Mar-19 14:29
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0589-01) Collected: 24-Mar-19 By Julio Leal						
pH	SM4500-H-B	AC92426	0.1	24-Mar-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92517	0.05	25-Mar-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92425	1.8	26-Mar-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92425	1.8	26-Mar-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960589

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: JULIO LEDZ	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	032419	07:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.5/4.5°
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEDZ	3-24-19	11:15
Received by	Jordan Corkery	3-24-19	11:15
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	3/24/19	12:26

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by Client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or Client has ceased to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client which insurance shall be as the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by Client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL is direct or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials") Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a simple disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or instrument.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without accruing a rush surcharge. All short holding times, i.e. 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) will not be allowed that will be day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Prolonged storage (30+ days) is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling process may result in additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

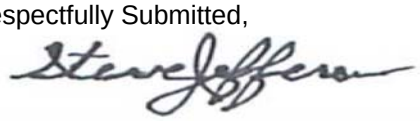
Attention: Ric Vardel
Report Date: 29-Mar-19 14:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0620-01) Collected: 25-Mar-19 By Julio Leal						
pH	SM4500-H-B	AC92620	0.1	25-Mar-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92622	0.05	26-Mar-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92529	1.8	27-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92529	1.8	27-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1410620

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. O.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/25/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. O.	Carlos Alvarez (Cpd)	03/25/19	
Received by		Jairo Mendez	3-25-19	1:10PM
Relinquished by		Jairo Mendez	3-25-19	1:10PM
Received by				
Relinquished by				
Received in lab by			3.25.19	1310

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Condition" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, something of sampling services and which its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule in such document may be amended or removed from time to time by PCL.

2. Independent Contractor

PCL will serve as an independent contractor in performing all services.

3. Orders and Acceptance

PCL agrees and will accept orders for services as defined herein only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which shall supersede the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL, any such order (or Statement of Work) or other document executed by the Client or PCL's affiliate to do business with the Client under the Terms and Conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. Any additional terms and conditions contained in a Client's quotation shall be deemed to become a part of the contract created upon acceptance of the Terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of care prevalent in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), U.S. Waterboard (USP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOPs) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services, notwithstanding any provisions to the contrary in any client quotations or terms of contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the decision which the samples are collected and for conditions in and about the sampling site and for acquiring PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable price schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and final sample materials provided to client or at client's request and the results obtained by PCL shall be kept in confidence (unless such information is generally available to the public or to the public domain or client is required to pay PCL for all services rendered). All information provided in this agreement subject to any statutory laws governed by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and client's in the responsible for unauthorized disclosure of such data using such standard use allowed by PCL reports and information provided pursuant to this agreement unless client gives PCL written authorization to release information to specified third parties or upon request by regulatory agencies. Please indicate your confidentiality.

10. Hold Harmless

Client agrees and shall save indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses, damages, liability, costs, demands, causes of action, suits and reasonable expenses (including, but not limited to, attorneys' fees), arising out of, or resulting from the negligence, recklessness and/or willful misconduct of Client or any third party as a result of, or in any way relating to the testing, sampling, handling, or transportation of the samples by PCL pursuant to this agreement. Client shall not be liable for any claims, losses, damages, expenses or costs to the extent caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity is specifically made to cover claims, damages, losses or costs and shall include reasonable attorneys' fees and costs incurred by PCL in connection with the negligence or misconduct of Client or any of its employees, agents or subcontractors, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any remedy which the law might otherwise have in favor of the other indemnified persons. To the extent necessary, to the maximum extent permitted by law, Client expressly waives any right or claim that it may have to indemnification and/or contribution from PCL with respect to any claim for which Client is required to indemnify PCL hereunder. Client shall not be liable to PCL and the other indemnified persons for consequential damages (including without limitation, loss of profits or business interruption, litigation expenses or other miscellaneous damages), without limitation, attorney's fees, court costs, and/or any expert judgment amounts, or any other expenses or costs incurred by Client or another party in any respect, relating to or resulting PCL or any indemnified person in connection with this agreement or services provided under this agreement, even if Client is made aware of such costs.

11. Hazardous Substances

Prior to or to perform the services requested by client, client will provide PCL with any and complete information regarding the presence of hazardous materials (as defined below) in the samples, including, but not limited to, any known or suspected hazardous, radioactive or explosive materials, and any other relevant information regarding the samples which are known to client. Client agrees that any samples or materials provided to PCL by client or on client's behalf shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis are the property of client and be charged a sample disposal fee, per sample basis, that in accordance with our SOP/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation or on the date the services were rendered or such prices mutually and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon analysis is required unless credit has been established with PCL. For those clients with an established credit account, payments for services of charges are NET 30th calendar month 30 days from date of invoices. To the fullest extent permitted by law, any amounts unpaid after 30 days shall accrue interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are referred to collection agency or attorney, the client shall pay reasonable collection and attorney's fees as well as any associated costs with collection procedure or litigation.

13. Agreement Modification

No part, modification or amendments to the Terms shall be effective unless in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client's consulting services hereunder are for its own benefit, and not as agent or trustee for any other person or entity. It is hereby acknowledged that there are no third party beneficiaries to this agreement, and that no third party shall rely on any work, information or reports. Client represents, warrants and agrees that said data, information and reports are not intended, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or syndication of any securities, any variable or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the participation in or conducting such activity or in relation with any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded for samples or analyses that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any service being initiated by PCL. Lack of holding times can be prevented to the extent of practicality. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours or less. PCL on most holding times within 48 hours of receipt, no charge. All short holding times, 0-2 days, samples must arrive at our lab within 24 hours. Please advise us to make sure the holding times can be met. Short holding times of 48 hours or less (such as 0-2 hours) must be delivered the same day in order to guarantee holding times are met. After hours, late delivery, weekend turnaround times or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days from analysis has been completed. Sample storage for longer periods to be removed only if arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-set storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Mar-19 14:33
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0638-01) Collected: 26-Mar-19 By Julio Leal						
pH	SM4500-H-B	AC92737	0.1	26-Mar-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92738	0.05	27-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92630	1.8	28-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92630	1.8	28-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0638

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/26/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name	(Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez	(CAS)	03/26/19	1210
Received by	EG	Golan G	PCL	3/26/19	1210
Relinquished by	EG	Golan G	PCL	3/26/19	1320
Received by					
Relinquished by					
Received in lab by		MARIO SANTESTEBAN	(PCL)	3/26/19	1320

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Mar-19 14:35
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0672-01) Collected: 27-Mar-19 By Julio Leal						
pH	SM4500-H-B	AC92749	0.1	27-Mar-19 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92815	0.05	28-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92736	1.8	29-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92736	1.8	29-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960672

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/27/19	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.03/20.2°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	03/27/19	11:15
Received by		Armando Olmos (PAT-CHEM)	3/27/19	11:15
Relinquished by		Armando Olmos (PAT-CHEM)	3/27/19	12:40
Received by				
Relinquished by				
Received in lab by		PC	3-27-19	1240

Sample Received Checklist 4

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity which may request laboratory services, including or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or restated from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished to PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EPA Contract Laboratory Program (CLP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a quote and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions on and about the sampling site and for advising PCL of the same and all information provided to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payments for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement if such events exceed its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has given to PCL for all services rendered or is otherwise in breach of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client acknowledges that PCL's data and information concerning testing, information, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees, litigation expenses and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this Agreement and/or transportation or handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or wilful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any claims which the client might otherwise have to PCL and the other Indemnified Persons. To the extent mandatory state applicable law does not permit the indemnity obligation to be calculated by applying Louisiana comparative fault principles, the indemnity obligation of client will instead be limited to the maximum amount permitted under applicable law. In no event shall PCL be responsible to client for indirect, punitive, special, incidental or consequential damages (including without limitation, lost profits or business opportunities, litigation expenses or costs, loss of data, contract termination, property damage or claims, and regardless of whether PCL was advised of the possibility of such losses) in connection with this agreement or any other agreement, quote or purchase order between any party and any subsidiary, agent or employee of PCL or any independent contractor hired by PCL to perform services in connection with this agreement or any other agreement, quote or purchase order. The agreements and obligations of client under this agreement shall survive the expiration or termination of this agreement.

11. Hazardous Substances

For PCL to perform the services requested by client, client and any of client's agents or employees must inform PCL in writing and PCL will receive samples or materials for analysis such as asbestos, polychlorinated biphenyls, explosive or any other hazardous or toxic material, whether a substance which is defined as hazardous, dangerous or considered toxic under federal, state or local laws. Unless PCL advises or negotiates otherwise prior to client's execution of a chain of custody or any subsequent agreement, client agrees that any material you transmit to PCL for analysis or testing is not hazardous and agrees that any hazardous material is not transmitted to PCL from client or client's agents, employees or representatives. Client agrees that upon completion of PCL's services, PCL will dispose of all unused portions of samples not consumed by client at PCL's option, unless the client specifies in writing its preferred method of disposal. PCL will return to the client all unused samples which contain flammable substances. PCL reserves the right to charge the client for the reasonable expenses incurred in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aseptic bacterial analysis should not be changed. A sample disposal fee, commonly customized, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance of when analysis is completed is required for all new clients or upon creation of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount owed on the due of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or penalties associated with such collection procedure or actions.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acting, services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not transmitted, or shall be used to relied upon in connection with or as part of the purchase, sale, underwriting, or qualification of any securities, and periodic or other reporting to the holders of any security, the issuance, amendment, renewal or extension of any loan, and to refrain from any attempt to solicit, sell, or to solicit any investment in connection with directly or indirectly any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and shall be at exception rationale. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or received or after 5pm on weekdays without prior notification and acceptance. Standard holding time and storage conditions should be followed upon the samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 days or less, samples must arrive within 96 hours of the PCL to meet holding times without incurring a rush surcharge. On short holding times, 3 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. In all holding times of 48 hours or less, samples must arrive within one day of collection to guarantee holding times are met. After hours, like delivery, is infrequently utilized as certain clients are subject to additional costs they assume the liability to meet holding times. All holding times are in effect as of the publication date of the fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. For prolonged time storage or subject to an additional charge. Samples will be disposed of at the end of the 30 day storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included in the fee schedule. A sample pick up fee has been assigned for each pick up or service. Unnecessary delays during the pick up or sampling (flights, or assessed additional fee

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

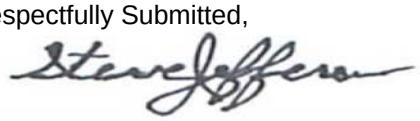
Attention: Ric Vardel
Report Date: 12-Apr-19 15:33
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0697-01) Collected: 28-Mar-19 By Julio Leal						
pH	SM4500-H-B	AC92825	0.1	28-Mar-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC92912	0.05	29-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92814	1.8	30-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92814	1.8	30-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0697

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	3/28/19	11:08	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.7 / 7.2
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/28/19	11:12
Received by:	Cindy Mapping PCL	3/28	11:46
Relinquished by:	Cindy Mapping PCL	3/28/19	12:54
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	3/29/19	1254

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

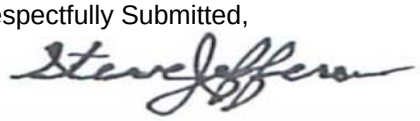
Attention: Ric Vardel
Report Date: 12-Apr-19 15:43
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0737-01) Collected: 29-Mar-19 By Julio Leal						
pH	SM4500-H-B	AC93025	0.1	30-Mar-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC93024	0.05	30-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC92911	1.8	31-Mar-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC92911	1.8	31-Mar-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0737

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/29/19	0850	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Rivera	(IPC)	03/29/19	
Received by	EG	Gurl	3/29/19	1150
Relinquished by	EG	Gurl	3/29/19	1350
Received by				
Relinquished by				
Received in lab by			3.29.19	1350

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodology in which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to law, disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data when such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and Client agrees that it will be entitled solely to rely on any of PCL's reports, data or information. Clients will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and will save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries, and parent harmless from and against any and all claims, losses, damages, claims, demands, causes of action, suits and consequent expenses, including, but not limited to, all court fees (the litigation Expenses) and awards arising in favor of Client or any third party, as a result of, arising in any way arising in part or wholly out of, or in connection with the performance of services by PCL pursuant to this agreement and/or thereafter, handling or disposal of client's hazardous materials, injury, disease or death of persons or loss of, damage to, physical or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages and costs of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party, in any filing claim against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (wastes) now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous materials received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, Client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or upon a history of payment and/or credit acquired has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of the invoice. To the fullest extent permitted by law or applicable law, any amount subject to the end of thirty (30) days is subject to interest at an annual rate of the lesser of one and one half percent (1.5%) per month or the highest interest allowed at such rate collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in seeking such collection and all court proceedings or efforts.

13. Agreement Modification

No change, modification or amendment to the terms shall be effective or binding and executed by an officer of PCL and by client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished to PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that no data, information and reports are intended for, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or syndication of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 8pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided on the client if requested. All analyses with holding times of 14 days or less (analysis is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Apr-19 15:40
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0736-01) Collected: 29-Mar-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AD90123	0.10	01-Apr-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AC92914	2	03-Apr-19 (EA)	2 mg/l	
Nitrate as N	EPA 353.2	AC92917	0.02	29-Mar-19 (SGS)	1.29 mg/l	
Nitrite as N	EPA 353.2	AC92917	0.02	29-Mar-19 (SGS)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AD90126	0.10	02-Apr-19 (LA)	0.82 mg/l	
Total Suspended Solids	SM 2540D	AD90133	1	01-Apr-19 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 4/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910736

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C. [illegible]	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/28/19		1	TSS	[redacted] Composite	AQ	1L P	4°C	
	03/29/19	0850	1	NH4, TKN	Grab	AQ	500 P	HS	
	03/29/19	0850	1	NO2, NO3	Grab	AQ	500 P	4°C	
	03/28/19		1	BOD	[redacted] Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. [illegible]	Carlos Alvarez (IPC)	03/29/19	
Received by	EB [illegible]	[illegible]	3/29/19	1150
Relinquished by	EB [illegible]	[illegible]	3/29/19	1350
Received by				
Relinquished by				
Received in lab by	[illegible]	[illegible]	3.29.19	1350

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes it an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA WaterBoard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material's provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or the public domain or Client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any processor required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and Client agrees that it shall not (or third party beneficiary of PCL reports, data or information, Client) will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and any costs and expenses, including, but not limited to all court fees (plus litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to or arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, loss and/or death of persons 2. Loss of, damage to, use of, or loss of use of property and/or 3. financial loss of every kind. (If that were. This indemnity shall not apply to any of the foregoing losses, costs, damages or incident caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, liabilities of every kind and character arising out of or in connection with the negligence or acts or omissions of client or any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified at such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aerobic bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance when analysis is completed is required for all new clients or upon a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted or as all by applicable law, any amount unpaid to the said amounts (30) days or subject to interest at the lesser of the maximum rate permitted by law, or one and one half percent (1.5%) per month on the unpaid balance. If a past amounts are collected through legal proceedings by our attorney, the client or all can include reasonable costs and attorney's fees (or specify) for the consistent with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acting solely responsible for his own account, and not as agent or broker or in any other representative capacity for any other person or entity. It is expressly acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not reasonable or shall be used to rated upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the Related of any security, the passing, amendment, renewal, or extension of any loan from any financial institution or other lender or the participation in or syndicating with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the Client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (fecal coli 8 hours) must be delivered that same day or prior to guarantee holding times at client. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

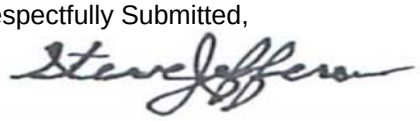
Attention: Ric Vardel
Report Date: 12-Apr-19 15:36
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19C0734-01) Collected: 29-Mar-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AC92914	2	03-Apr-19 (EA)	360 mg/l	
Total Suspended Solids	SM 2540D	AD90133	1	01-Apr-19 (EA)	216 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1904734

Customer: IPC, Inc.		**Project:** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** ~~Ric Vardel / Golan Kfir~~	**Phone #:** ~~949-382-9067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/29/19	0	1	TSS	Composite	AQ	1L P	4°C	
"	"		1	BOD	Composite	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
~~Global ID: WDR100000359~~

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	03/29/19	
Received by	EG		3/29/19	1150
Relinquished by	EG		3/29/19	1350
Received by				
Relinquished by				
Received in lab by			3-29-19	1350

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has requested laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EPA Watertboard (EAB), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing, or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has cited to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and use or agent(s) there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning testing, information, software programs or other communications.

10. Hold Harmless

Client covenants and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, related entities and parent companies from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys' fees (the Indemnification Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring and/or relating to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or in connection with handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of damage to, loss of, or loss of use of property and of 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be made solely to the extent to which the client might otherwise have direct PCL and the other Indemnified Persons. To the extent necessary or the applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, when practicable (but not the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption (litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and (or are or your judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples, materials for analysis such as asbestos, polychlorinated biphenyls, batteries or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules PCL policies or regulations (whether now existing or hereafter enacted or coming into force and judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's EH/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain hazardous substances. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis by fecal analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when all work is completed is required for all new clients or until a history of standard and/or credit accounts has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party is to rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 36 hours or allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or sooner dates are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of our fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed as additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

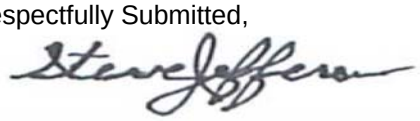
Attention: Ric Vardel
Report Date: 12-Apr-19 15:46
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0755-01) Collected: 30-Mar-19 By Ric Vardel						
pH	SM4500-H-B	AC93124	0.1	30-Mar-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AC93123	0.05	31-Mar-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC93023	1.8	02-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC93023	1.8	02-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190755

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Ric VARDEL	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/30	0900	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	3/30	0900	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric VARDEL (IPC)	3/30	0915
Received by			
Relinquished by	Jose L Gomez	3/30/19	0935
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	3/30/19	11:16

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No additional or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of environmental in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board, ASTM, American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise acting in the reasonable judgement of PCL. Deviations, if any, will be made in a manner consistent with the requirements of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC program. The responsibility of PCL, its officers, agents, employees or subcontractors to the client arising out of or in connection with the services to be provided herein, shall not exceed the limitations as set forth below. Client's exclusive and sole remedy and/or practical remedies PCL from any liability in respect of the invoiced amount for the services rendered. Any any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and the conditions in and around the sampling site and for advising PCL of the same and all information necessary to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services if consider subject to payment for all services rendered and out of pocket expenses incurred up to the date of such cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's verbal orders and all subsequent or prior to additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material provided by client or at client's expense and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such disclosure is attributed PCL reports and information provided hereunder are for the exclusive use and benefit of client and no persons there shall be no third party beneficiary of PCL reports, data or information. Client will not disclose or any third party any information containing PCL's proprietary information, such as procedures or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys fees, the Litigation Expenses and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. If injury, disease or death of persons, loss of, damage to, loss of, or use of use of property, and all financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, charges, damages or costs of every kind and character arising out of or in connection with the negligence or strict liability of PCL, its employees, agents, contractors or subcontractors. Client's obligation to indemnify, defend and hold harmless PCL shall be limited to available liability insurance coverage to be carried by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profits or business interruption, even if PCL has been advised, knew, foreseen, or should have known the possibility of such damages, including, without limitation, attorney's fees, court costs, and/or any other costs and expenses of any kind incurred by client, whether based on contract, tort, negligence, strict liability, or otherwise, arising out of or resulting from PCL's performance of services under this agreement, even if PCL is negligent, or otherwise at fault. Client agrees to defend, indemnify and hold PCL harmless from any and all claims, liabilities, losses, costs or expenses (including reasonable attorney's fees and expert witness fees) asserted against PCL by client's employees or third parties based upon, arising out of, or related to, in whole or in part, the services provided by PCL under this agreement, except to the extent the claims arise from the sole negligence of PCL.

11. Hazardous Substances

For PCL to perform the services required by client, client and/or its agents will provide samples that are known or suspected to contain hazardous substances, such as asbestos, polychlorinated biphenyls, petroleum or other flammable or toxic materials, known and unknown radioactive materials, pathogenic or infectious agents, or other substances harmful to human health or the environment if improperly used, handled, stored, transported, released or disposed of ("Hazardous Substances"). Client acknowledges that it is the client's responsibility to inform PCL of the existence of any Hazardous Substances in the samples to be analyzed by PCL prior to the commencement of services by PCL. Client further acknowledges that it is the client's responsibility to inform PCL of the existence of any Hazardous Substances that may be encountered or created by PCL in the performance of services at the client's property. Client shall be responsible for the proper handling, storage, transportation and disposal of all Hazardous Substances in accordance with all applicable laws, rules and regulations. Client shall provide PCL with all information, training and warnings necessary to enable PCL to perform its services safely and efficiently. Client shall be responsible for all costs associated with the proper handling, storage, transportation and disposal of all Hazardous Substances. Client shall indemnify, defend and hold PCL harmless from any and all claims, liabilities, losses, costs or expenses (including reasonable attorney's fees and expert witness fees) asserted against PCL by any person based upon, arising out of, or related to, in whole or in part, the Hazardous Substances provided by client to PCL, except to the extent the claims arise from the sole negligence of PCL. Client shall promptly inform PCL if any of the samples contain Hazardous Substances. If PCL reasonably believes that samples contain Hazardous Substances, PCL may, in its sole discretion, return the samples to client or dispose of the samples at client's expense. PCL reserves the right to charge the client for its disposal of unused samples to accelerate service. PCL's normal sample disposal policy is 30 days. In addition, all samples received by PCL for any air, hazardous analysis, client will be charged a sample disposal fee, per sample submitted, or as stated in individual QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation or the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or clients without a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or any applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and be client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or on any other basis and has no authority for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on its data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to bind upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any persons or other properties, or the holders of any thereof, the issuing, assignment, renewal or extension of any loan from any financial institution or other lender or the continuation of or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in advance. If not, the information cannot be guaranteed and cannot be used, the work or you will apply.

16. Holding Times

PCL can not be responsible for holding times that are exceeded because of samples that are delivered or shipped or other time constraints without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without incurring a rush surcharge. All short holding times of 7 days or less must arrive at the lab within 24 hours before a potentially missed holding time can be met. For holding times of 48 hours or less (Fluoride, pH testing, etc.) we recommend that same day arrival to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are a reflection of the publication date of the test reference and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after report is issued unless otherwise requested. Sample storage for longer periods is available only by prior arrangement and is subject to an additional charge. Samples will be disposed of at the end of the 30 day storage period unless

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or sample. Unnecessary delays during the pick up or sampling might be assessed as additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

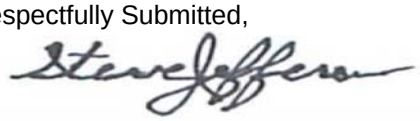
Attention: Ric Vardel
Report Date: 12-Apr-19 15:48
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19C0762-01) Collected: 31-Mar-19 By Julio Leal						
pH	SM4500-H-B	AC93125	0.1	31-Mar-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD90116	0.05	01-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC93122	1.8	02-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC93122	1.8	02-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19C0762

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: JULIO LEAL	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	03-31-19	08:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	3-31-19	1350
Received by	Jordan Corkery	3/31/19	1350
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	3/31/19	1525

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" (collectively "these Terms and Conditions") of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services or sampling services and his or her heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such action constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or solicitation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of these terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 40 code of federal regulations, American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made in a manner consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The data, industry or PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the charges received for said services. Client's acceptance of a work proposal and its proposal conveys PCL from any liabilities, expenses or loss incurred beyond the value received for the services rendered hereunder and pursuant to the contract or any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except as otherwise specifically modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain) Client is free to use PCL for all services rendered or is otherwise in breach of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information are used solely for the exclusive use and benefit of Client and PCL agrees that it shall be responsible to defend all such rights, data or information. Client will not disclose to any third party any information regarding testing performed by PCL without prior written consent.

10. Hold Harmless

Client will defend and hold save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies free and against any and all harmless, damage or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees, litigation expenses and awards arising in favor of Client or another party as a result of, and/or in any way arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, disposal of client's material hereunder. Injury, disease or death of personnel, loss of business or profit, or loss of use of property or land, or however caused, even if such loss or damage is alleged to be caused in whole or in part by the negligence of PCL, its employees, agents, or subcontractors. Further, this indemnity shall specifically apply to claims, costs, damages, attorney's fees, penalties, expenses or liability incurred by PCL arising out of the enforcement of any provision of this agreement. The foregoing indemnities shall be in addition to any remedy which the client might otherwise have to PCL and the other indemnified persons. To the extent mandatory and/or applicable law, client agrees that if client's material, sample, waste, or substance is considered or categorized as hazardous, dangerous, toxic, or regulated by any federal, state, or local law, regulation, ordinance, order, code, permit, or guideline governing human health or the environment, client will indemnify, defend, and hold harmless PCL, its officers, directors, employees, agents, affiliates, successors, and assigns from and against any and all claims, demands, causes of action, damages, losses, costs, expenses, fines, penalties, and liabilities (including attorneys' fees, court costs, and expert witness fees) arising out of or in any way related to the presence, disposal, release, or threatened release of any hazardous, dangerous, toxic, or regulated material, sample, waste, or substance that is in the possession or under the control of client, its employees, agents, or subcontractors. This indemnification shall apply whether or not client was aware of or knew of the hazardous, dangerous, toxic, or regulated nature of the material, sample, waste, or substance. This indemnification shall survive the termination or expiration of this agreement.

11. Hazardous Substances

For PCL operations that may involve exposure to [illegible] and PCL will obtain samples from the analytical [illegible] and other investigative techniques [illegible] personnel [illegible] [illegible] [illegible]

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Apr-19 14:22
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0019-01) Collected: 01-Apr-19 By Julio Leal						
pH	SM4500-H-B	AD90221	0.1	02-Apr-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD90223	0.05	02-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD90129	1.8	03-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD90129	1.8	03-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0019

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/01/19	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Golan Kfir (IPC)	04/01/19	
Received by		Mengyuan	4-1-19	12:00 PM
Relinquished by		Mengyuan	4-1-19	12:00 PM
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/1/19	1625

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Apr-19 14:24
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0053-01) Collected: 02-Apr-19 By Julio Leal						
pH	SM4500-H-B	AD90337	0.1	02-Apr-19 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD90336	0.05	03-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD90227	1.8	04-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD90227	1.8	04-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0053

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/2/19	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.96 / 22.0°C
	"	~	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	4/2/19	11:45
Received by:	Alejandro Olmos (PATCHEM)	4/2/19	11:55
Relinquished by:	Alejandro Olmos (Patchem)	4/2/19	14:30
Received by:			
Relinquished by:			
Received in lab by:	MARCO SANTIESTEBAN (PCL)	4/2/19	1430

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Apr-19 14:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0095-01) Collected: 03-Apr-19 By Julio Leal						
pH	SM4500-H-B	AD90420	0.1	04-Apr-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD90419	0.05	04-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD90335	1.8	05-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD90335	1.8	05-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190095

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/03/19	0850	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	04/03/19	
Received by	EC	Carlos PCL	4.3.19	1245
Relinquished by	EC	Carlos PCL	4.3.19	1500
Received by				
Relinquished by				
Received in lab by		PCL	4.3.19	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means those Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, related entity and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, lost of, or loss of use of property and or 3. Financial losses of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples material) for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substance of which are defined, determined or identified as such under federal, state or local laws, rules PCL policies or regulations (weather now existing or now shall enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and all applicable law, any amounts unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. Unpaid amounts are collected through legal proceedings or by an attorney. The client shall pay reasonable costs and attorney's fees or "collection" fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and the client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use or reliance on data, information, or reports furnished by PCL. Client is acting, services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal rates will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 days or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, e.g. 7 days, samples must arrive at the lab within 24 hours before application to inquire that the holding times can be met. Short holding times of 48 hours or less (such as 24 hours) must be requested that same day as sample to guarantee holding times are met. After hours, free delivery. Early in the morning deliveries or weekend drop-off is subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Prearranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might incur an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Apr-19 14:03
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0096-01) Collected: 03-Apr-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AD90515	0.10	05-Apr-19 (SGS)	0.14 mg/l	
Biochemical Oxygen Demand	SM 5210B	AD90410	2	09-Apr-19 (SGS)	2 mg/l	
Nitrate as N	EPA 353.2	AD90333	0.02	03-Apr-19 (LA)	0.03 mg/l	
Nitrite as N	EPA 353.2	AD90333	0.02	03-Apr-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AD90830	0.10	09-Apr-19 (LA)	1.34 mg/l	
Total Suspended Solids	SM 2540D	AD90423	1	05-Apr-19 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0096

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C. D.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/02/19		1	TSS	Grab	AQ	1L P	4°C	
	04/03/19	0850	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	0850	1	NO2, NO3	Grab	AQ	500 P	4°C	
	04/02/19		1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	04/03/19	
Received by	EG	Carlos PKL	4.3.19	1245
Relinquished by	EG	Carlos PKL	4.3.19	1500
Received by				
Relinquished by				
Received in lab by		PKL	4.3.19	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the raw pre-materials provided by client or at client's request and the results obtained by PCL shall be held in Confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such disclosure was made via PCL reports and information provided therein and for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of our reports, data or information. Client will not disclose to any third party any proprietary concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL (its employees, officers, directors, agents, affiliates, consultants and owners) harmless from and against any and all Liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees (or litigation Expenses) and attorneys' fees arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or causes of action caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to client's own acts, actions of every kind and character, out of or in connection with and the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Clients shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due net 30 days unless otherwise expressly required by PCL. Clients who have not been established with PCL for credit terms with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. Sixty (60) days past due shall accrue interest at the rate of one and one half percent (1.5%) per month (or the highest lawful rate permitted by law, if less) and shall be subject to late administration fee. Unpaid accounts may be collected through legal proceedings by an attorney. The client shall pay reasonable costs and attorney's fees or experts' fees in addition to the principal amount owed.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an authorized PCL officer. Client authorized representative. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services knowledge for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is hereby and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that such data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the participation in or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. For analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding time can be met. Short Holding Times of 48 hours or less (compliance is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

If pick up/sampling fees have been noted on the fee schedule, reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, may be assessed an additional fee.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

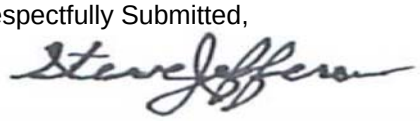
Attention: Ric Vardel
Report Date: 30-Apr-19 13:35
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19D0094-01) Collected: 03-Apr-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AD90410	2	09-Apr-19 (SGS)	443 mg/l	
Total Suspended Solids	SM 2540D	AD90423	1	05-Apr-19 (EA)	155 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 14D0094

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	04/02/19		1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
1	1		1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (3PC)	04/03/19	
Received by	[signature]	[signature] PCL	4-3-19	1245
Relinquished by	[signature]	[signature] PCL	4-3-19	1500
Received by				
Relinquished by				
Received in lab by	[signature]	[signature] PCL	4.3.19	1500

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the safety and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payments for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed or pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any software, computer programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, use of, or theft of client's property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent permitted under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs and costs of any judgment rendered), or any other amounts or costs incurred by client or any third party in any way arising against or involving PCL or any indemnified person in connection with this agreement or as services are provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, pathogenic bacteria, bacteria or any other hazardous or toxic material, wastes and substances which are defined, designated or identified as such under RCRA, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portion of samples as specified by client or per PCL's EH/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or penalty fees associated with such collection procedure as applies.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, arrangement, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 36 hours for PCL to meet holding times without incurring a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours unless arrangements made that the holding times can be met. Short holding times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight/customs delays or courier issues are subject to additional rush fees and/or fee waiver to meet holding times. All holding times are as reflected as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at most thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been quoted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

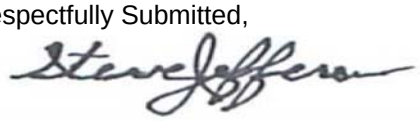
Attention: Ric Vardel
Report Date: 30-Apr-19 14:29
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0128-01) Collected: 04-Apr-19 By CA						
pH	SM4500-H-B	AD90509	0.1	04-Apr-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD90508	0.05	05-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD90418	1.8	06-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD90418	1.8	06-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0128

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Duran	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/04/19	0940	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Duran	Carlos Duran (ABC)	04/04/19	
Received by	Elo Cuello	pcl	4/4/19	1130
Relinquished by	Elo Cuello	pcl	4/4/19	1445
Received by				
Relinquished by				
Received in lab by	Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	4/4/19	1445

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

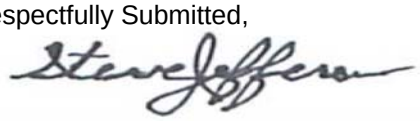
Attention: Ric Vardel
Report Date: 02-May-19 14:10
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0159-01) Collected: 05-Apr-19 By CA						
pH	SM4500-H-B	AD90616	0.1	05-Apr-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD90617	0.05	06-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD90507	1.8	07-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD90507	1.8	07-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0159

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #:949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/05/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez.	Carlos Alvarez (IPC)	04/05/19	
Received by	EC	Evan C. PCL	4.5.19	1130
Relinquished by	EC	Carlos PCL	4.5.19	1320
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/5/19	1320

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

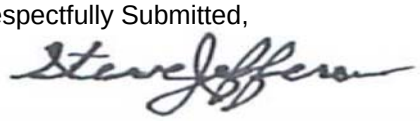
Attention: Ric Vardel
Report Date: 02-May-19 14:16
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0171-01) Collected: 06-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD90621	0.1	06-Apr-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD90622	0.05	06-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD90615	1.8	08-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD90615	1.8	08-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0171

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/6	0955	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	4	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric Vardel (IPC)	4/6	1005
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	4/6/19	1013
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	4/6/19	11:11

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity which may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished to PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided hereto, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material(s) provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, lost of, or loss of use of property; and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation loss of profit or business interruption Litigation Expenses or attorney fees (including, without limitation, attorney's fees, court costs, and cost pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or its services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, hazardous or any other hazardous or toxic materials, wastes, and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous Material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by Client or by PCL's QA/QC policies. In the event the client does not specify or you keyed method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with both collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used by client or upon, in connection with or as part of, the purchase, sale, underwriting, or dissemination of any securities, any periodic or other reporting to the holders of any securities, the servicing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or instrumentality.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before a person to receive (but the holiday, time) can be used. Short holding times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained (for at most thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, ought to, or cause an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

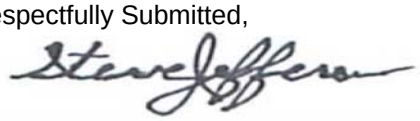
Attention: Ric Vardel
Report Date: 02-May-19 14:19
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0178-01) Collected: 07-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD90823	0.1	07-Apr-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD90825	0.05	08-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD90716	1.8	09-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD90716	1.8	09-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0178

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ric Vardel	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/7	0950	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric Vardel (IPC)	4/7	1000
Received by			1320
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker	4/8/17	1450

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or restated from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payments for all services rendered and out-of-pocket charges incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has cited to PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client agrees to and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, full not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or to appropriate handling or disposal of client's hazardous materials. 1. Bodily injuries or death of persons 2. Loss of, damage to, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions or causes and shares, tax arising out of or in connection with the negligence of or breach of contract by any representative person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be maintained by Client, which insurance shall be in the minimum amounts prescribed under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and out of pocket expenses incurred), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide a CEC. will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, lead or any other hazardous or toxic material, wastes and substances which are defined, determined or designated as such under federal, state or local laws, codes PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all treated portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a service disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect on the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when whatever is completed is required for all new clients or until a history of payment and/or credit acceptability has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, client shall pay all fees for any amount unpaid or the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection or collection efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative. Except for subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance upon data, information, or reports furnished to PCL. Client in providing services hereunder for the sole benefit, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and in all no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not transmitted, or to be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities. No periodic or other reporting to client shall be required. Any requirement for reporting, amendment, review, comment, or any function any financial institution, lender or the certification to or of contracts with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive at the laboratory within 48 hours of sampling. For analyses with holding times of 7 days or less, samples must arrive at the laboratory within 24 hours of sampling. Please note that the holding times can be shorter than the regulatory limit. Short holding times of 48 hours or less must be discussed with the project manager at the time of sampling to guarantee holding times are met. After hours, (see definition) freight company delivery or sample drop-off by the client is not considered a valid way to meet holding times. All holding times are in effect as of the publication date of the fee schedule and are subject to change without notice.

17. Sample Retention

All samples are received for 30 days (XX days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is available for an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling visits or as viewed as additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

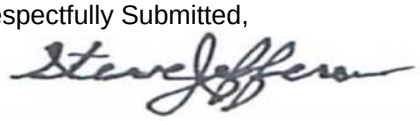
Attention: Ric Vardel
Report Date: 02-May-19 14:21
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0195-01) Collected: 08-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD90931	0.1	08-Apr-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD90935	0.05	09-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD90837	1.8	10-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD90837	1.8	10-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: MDO195

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. Jones	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/08/19	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Jones	Carlos Alvarez (IPC)	04/08/19	
Received by		Jaird Mendivar	4/8/19	12:30
Relinquished by		Jaird Mendivar	4/8/19	12:30
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/8/19	1510

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water SO - Soil / Sludge OT - Other	HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

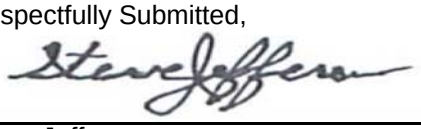
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 10:42
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0194-01) Collected: 08-Apr-19 By CA						
Silver	EPA 200.8	AD90937	0.2	10-Apr-19 (AF)	<0.2 ug/l	
Aluminum	EPA 200.8	AD90937	5.0	10-Apr-19 (AF)	81 ug/l	
Arsenic	EPA 200.8	AD90937	0.5	10-Apr-19 (AF)	1.0 ug/l	
Barium	EPA 200.8	AD90937	0.5	10-Apr-19 (AF)	22 ug/l	
Beryllium	EPA 200.8	AD90937	0.2	10-Apr-19 (AF)	<0.2 ug/l	
Calcium	EPA 200.7	AD90936	0.05	10-Apr-19 (AF)	80.9 mg/l	
Cadmium	EPA 200.8	AD90937	0.2	10-Apr-19 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AD90937	0.2	10-Apr-19 (AF)	5.2 ug/l	
Copper	EPA 200.8	AD90937	0.2	10-Apr-19 (AF)	1.0 ug/l	
Iron	EPA 200.7	AD90936	0.02	10-Apr-19 (AF)	0.02 mg/l	
Mercury	EPA 245.1	AD91025	0.20	10-Apr-19 (AF)	<0.20 ug/l	
Manganese	EPA 200.8	AD90937	0.5	10-Apr-19 (AF)	85 ug/l	
Nickel	EPA 200.8	AD90937	0.5	10-Apr-19 (AF)	4.6 ug/l	
Lead	EPA 200.8	AD90937	0.2	10-Apr-19 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AD90937	1.0	10-Apr-19 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AD90937	2.0	10-Apr-19 (AF)	5.3 ug/l	
Thallium	EPA 200.8	AD90937	1.0	10-Apr-19 (AF)	<1.0 ug/l	
Uranium	EPA 200.8	AD90937	1.0	10-Apr-19 (AF)	4.6 ug/l	
Zinc	EPA 200.8	AD90937	1.0	10-Apr-19 (AF)	22 ug/l	
1,2-Dibromoethane (EDB)	EPA 504.1	AD92521	0.02	19-May-19 (SJ)	<0.02 ug/l	
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AD92521	0.01	19-May-19 (SJ)	<0.01 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 506	AD91210	2.0	21-May-19 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)adipate	EPA 506	AD91210	2.0	21-May-19 (SJ)	<2.0 ug/l	
Surrogate: o-Terphenyl	*EPA 506*	*AD91210*		*21-May-19 (SJ)*	*78.5 % (50-120)*	
Alachlor	EPA 507	AD90942	0.2	19-May-19 (SJ)	<0.2 ug/l	
Atrazine	EPA 507	AD90942	0.2	19-May-19 (SJ)	<0.2 ug/l	
Molinate	EPA 507	AD90942	0.2	19-May-19 (SJ)	<0.2 ug/l	
Simazine	EPA 507	AD90942	0.2	19-May-19 (SJ)	<0.2 ug/l	

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 10:42
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0194-01) Collected: 08-Apr-19 By CA						
Thiobencarb (Bolero)	EPA 507	AD90942	0.2	19-May-19 (SJ)	<0.2 ug/l	
Surrogate: 1,3-Dimethyl-2-nitrobenzer	*EPA 507*	*AD90942*		*19-May-19 (SJ)*	*51.0 % (40-120)*	
Chlordane	EPA 508	AD90939	0.1	20-May-19 (SJ)	<0.1 ug/l	
Endrin	EPA 508	AD90939	0.01	20-May-19 (SJ)	<0.01 ug/l	
Gamma-BHC(Lindane)	EPA 508	AD90939	0.01	20-May-19 (SJ)	<0.01 ug/l	
Heptachlor	EPA 508	AD90939	0.01	20-May-19 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 508	AD90939	0.01	20-May-19 (SJ)	<0.01 ug/l	
Hexachlorobenzene	EPA 508	AD90939	0.01	20-May-19 (SJ)	<0.01 ug/l	
Hexachlorocyclopentadiene	EPA 508	AD90939	0.01	20-May-19 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 508	AD90939	0.05	20-May-19 (SJ)	<0.05 ug/l	
Toxaphene	EPA 508	AD90939	0.1	20-May-19 (SJ)	<0.1 ug/l	
Aroclor 1016	EPA 508	AD90939	0.1	20-May-19 (SJ)	<0.1 ug/l	
Aroclor 1221	EPA 508	AD90939	0.1	20-May-19 (SJ)	<0.1 ug/l	
Aroclor 1232	EPA 508	AD90939	0.1	20-May-19 (SJ)	<0.1 ug/l	
Aroclor 1242	EPA 508	AD90939	0.1	20-May-19 (SJ)	<0.1 ug/l	
Aroclor 1248	EPA 508	AD90939	0.1	20-May-19 (SJ)	<0.1 ug/l	
Aroclor 1254	EPA 508	AD90939	0.1	20-May-19 (SJ)	<0.1 ug/l	
Aroclor 1260	EPA 508	AD90939	0.1	20-May-19 (SJ)	<0.1 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 508*	*AD90939*		*20-May-19 (SJ)*	*59.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	*EPA 508*	*AD90939*		*20-May-19 (SJ)*	*74.0 % (50-120)*	
Bentazon	EPA 515.1	AD92230	0.2	22-May-19 (SJ)	<0.2 ug/l	
2,4-D	EPA 515.1	AD92230	0.2	22-May-19 (SJ)	<0.2 ug/l	
Dalapon	EPA 515.1	AD92230	0.2	22-May-19 (SJ)	<0.2 ug/l	
Dinoseb	EPA 515.1	AD92230	0.2	22-May-19 (SJ)	<0.2 ug/l	
Pentachlorophenol (PCP)	EPA 515.1	AD92230	0.2	22-May-19 (SJ)	<0.2 ug/l	
Picloram	EPA 515.1	AD92230	0.2	22-May-19 (SJ)	<0.2 ug/l	
2,4,5-TP	EPA 515.1	AD92230	0.2	22-May-19 (SJ)	<0.2 ug/l	
Surrogate: 2,4-DCAA	*EPA 515.1*	*AD92230*		*22-May-19 (SJ)*	*66.6 % (60-140)*	

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 10:42
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0194-01) Collected: 08-Apr-19 By CA						
Benzene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Bromodichloromethane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Bromoform	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Carbon tetrachloride	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
c-1,3-Dichloropropene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
cis-1,2-Dicholoroethene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Chlorobenzene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Chloroform	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	0.6 ug/l	
Dibromochloromethane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,2-Dichlorobenzene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,4-Dichlorobenzene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,2-Dichloroethane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,1-Dichloroethane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,3-Dichloropropane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,2-Dichloropropane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Ethylbenzene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Methyl tert-butyl ether	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Methylene chloride	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Styrene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
t-1,2-Dichloroethene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
t-1,3-Dichloropropene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,1,2,2-Tetrachloroethane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Tetrachloroethene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Toluene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,2,4-Trichlorobenzene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,1,1-Trichloroethane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
1,1,2-Trichloroethane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Trichloroethene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	

Respectfully Submitted,

Steve Jefferson 8/1/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 10:42
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0194-01) Collected: 08-Apr-19 By CA						
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
Vinyl chloride	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
o-Xylene	EPA 524.2	AD93025	0.5	30-Apr-19 (SJ)	<0.5 ug/l	
m,p-Xylene	EPA 524.2	AD93025	1.0	30-Apr-19 (SJ)	<1.0 ug/l	
Surrogate: Dibromofluoromethane	*EPA 524.2*	*AD93025*		*30-Apr-19 (SJ)*	*81.9 % (80-120)*	
Surrogate: Toluene-d8	*EPA 524.2*	*AD93025*		*30-Apr-19 (SJ)*	*112 % (80-120)*	
Surrogate: Bromofluorobenzene	*EPA 524.2*	*AD93025*		*30-Apr-19 (SJ)*	*92.2 % (80-120)*	
Carbofuran	EPA 632	AD90940	1.0	19-May-19 (SJ)	<1.0 ug/l	
Oxamyl	EPA 632	AD90940	1.0	19-May-19 (SJ)	<1.0 ug/l	
Chloroacetic Acid	EPA 552.2	AD92510	0.5	16-May-19 (SJ)	<0.5 ug/l	
Bromoacetic Acid	EPA 552.2	AD92510	0.5	16-May-19 (SJ)	<0.5 ug/l	
Dichloroacetic Acid	EPA 552.2	AD92510	0.5	16-May-19 (SJ)	<0.5 ug/l	
Trichloroacetic Acid	EPA 552.2	AD92510	0.5	16-May-19 (SJ)	<0.5 ug/l	
Dibromoacetic Acid	EPA 552.2	AD92510	0.5	16-May-19 (SJ)	<0.5 ug/l	
Haloacetic Acids (HAA5)	EPA 552.2	AD92510	0.5	16-May-19 (SJ)	<0.5 ug/l	
Surrogate: 2,3-Dibromopropionic Acid	*EPA 552.2*	*AD92510*		*16-May-19 (SJ)*	*88.5 % (60-140)*	
Benzo (a) pyrene	EPA 550	AD90941	0.05	21-May-19 (SJ)	<0.05 ug/l	
Surrogate: Decafluorobiphenyl	*EPA 550*	*AD90941*		*21-May-19 (SJ)*	*49.5 % (45-120)*	
Cyanide (total)	SM 4500-CN-E	AD91030	0.005	10-Apr-19 (LA)	<0.005 mg/l	
MBAS	SM 5540C	AD90933	0.20	09-Apr-19 (PL)	<0.20 mg/l	
pH	SM4500-H-B	AD90931	0.1	08-Apr-19 (PL)	7.4 pH Units	A-01
Total Alkalinity	SM 2320B	AD90948	1	09-Apr-19 (PL)	204 mg/l	
Carbonate Alkalinity	SM 2320B	AD90948	1	09-Apr-19 (PL)	<1 mg/l	
Bicarbonate Alkalinity	SM 2320B	AD90948	1	09-Apr-19 (PL)	204 mg/l	
Hydroxide Alkalinity	SM 2320B	AD90948	1	09-Apr-19 (PL)	<1 mg/l	
Color	SM 2120 C	AD90947	5.0	09-Apr-19 (LA)	25.3 CU	
Specific Conductance (EC)	SM 2510B	AD90932	0.1	09-Apr-19 (PL)	1980 uS/cm	
Odor	SM 2150B	AD91743	1	08-Apr-19 (PL)	<1 T.O.N.	

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 10:42
Subject: (MCC) Quarterly

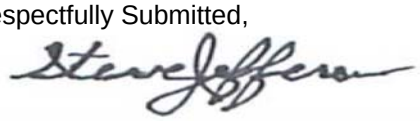
Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0194-01) Collected: 08-Apr-19 By CA						
Bromate	EPA 300.0	AD91114	25.0	11-Apr-19 (AV)	<25.0 ug/l	
Chlorite	EPA 300.0	AD91114	100	11-Apr-19 (AV)	<100 ug/l	
Fluoride	EPA 300.0	AD90943	0.10	09-Apr-19 (AV)	<0.10 mg/l	

Notes and Definitions

A-01 Langelier Index = -0.06 (Non-Corrosive)

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

April 22, 2019 Ceres ID: 12764

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on April 11, 2019. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

This work was authorized under Pat-Chem Laboratories' Project # 19D0194.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date &Time
12764-001	19D0194-01	4/11/2019	4/5/2019 0:00

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Method Blank**	**QC Batch #:** 1973	**Date Received:** NA
	Matrix: Aqueous	**Date Extracted:** 4/18/2019
Project ID: 19D0194	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 4/19/2019

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.22	1.49	5.00		13C-2378-TCDD	91.3	31-137	
					CRS			
					37Cl4-2378-TCDD	101	35-197	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 1973	**Date Extracted:** 4/18/2019
	Matrix: Aqueous	**ZB-5MS Analysis:** 4/19/2019
Project ID: 19D0194	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	11.3	7.3-14.6	13C-2378-TCDD	93.0	25-141
			CRS		
			37Cl4-2378-TCDD	96.7	37-158
			(a) Limits based on method acceptance criteria.		

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Client Sample ID: 19D0194-01		
Project ID: 19D0194	**Ceres Sample ID:** 12764-001	**Date Received:** 4/11/2019
	QC Batch #: 1973	**Date Extracted:** 4/18/2019
Date Collected: 4/5/2019	**Matrix:** Aqueous	**ZB-5MS Analysis:** 4/19/2019
Time Collected: 0:00	**Sample Size:** 0.969 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.01	1.49	5.16		13C-2378-TCDD	83.1	31-137	
					CRS			
					37Cl4-2378-TCDD	91.1	42-164	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321909344
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Theresa Trevizo
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Received: 04/15/2019
Analyzed: 04/27/2019

Proj: 19D0194

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm^2)	Area Analyzed (mm^2)	ASBESTOS Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
19D0194-01 321909344-0001	4/17/2019 12:35 PM	100	1288	0.0645	None Detected	ND	0.20	<0.20	0.00 - 0.74

Collection Date/Time: 04/08/2019 11:30 AM

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 04/27/2019 19:32:45

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

NORTH COAST LABORATORIES LTD.

April 22, 2019

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 93340

Attn: Theresa Trevizo

RE: 19D0194

Order No.: 1904216
Invoice No.: 146045
PO No.: 19D0194
ELAP No.1247-Expires July 2020

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	19D0194-01
01B	19D0194-01

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

Approved for release by:

Roxanne Moore, Project Manager

Date: 22-Apr-2019
WorkOrder: 1904216

CASE NARRATIVE

The samples were received outside the EPA recommended temperature of less than or equal to 6° C.

S1: The surrogate recovery was below the lower acceptance limit. The surrogate recoveries for the quality control samples were within acceptance limits. This indicates the low recovery may be due to matrix effects from the sample.

EPA 549.2:
Diquat strongly adsorbs to soil particles that are suspended in water. The strong chemical bonds make the herbicide chemically inactive. When bound with soil particles, the extraction procedure for method EPA 549.2 is ineffective at isolating the bound diquat. Any reported diquat represents the dissolved analyte in the water that has not been bound to the soil particles.

Date □ □□Apr□□□□□

WorkOrder □ □□□□□□□

ANALYTICAL□REPORT

Client□SampleID □ □D□□□□□□□

Lab□ID □ □□□□□□□□□A

Received □□□□□□□□□□

Collected □□□□□□□□□□□□□

Test□Name □ EPA□□□□□□

Reference □ EPA□□□□□□

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat□dissolved□	ND		□□□□	µg□L	□□□	□□□□□□□□□	□□□□□□□□□

Client□SampleID □ □□D□□□□□□□

Lab□ID □ □□□□□□□□□□B

Received □□□□□□□□□□

Collected □□□□□□□□□□□□□

Test□Name □ Endothall

Reference □ EPA□□□□□□

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND		□□	µg□L	□□□	□□□□□□□□□	□□□□□□□□□
□□□Surrogate□□□□□□D	□□□□	S□	□□□□□□	□ □Rec	□□□	□□□□□□□□□	□□□□□□□□□

North Coast Laboratories, Ltd.

Date: 4/22/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1904216
Project: 19D0194

QC SUMMARY REPORT
Method Blank

Sample ID **MB-37217** Batch ID: **37217** Test Code: **548W** Units: **µg/L** Analysis Date **4/16/2019 7:05:37 PM** Prep Date **4/11/2019**
Client ID: Run ID: **ORGC14_190415A** SeqNo: **1409500**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	ND	45									
Surrogate: 2,3-D	236	0.10	250	0	94.5%	78	117	0			

Sample ID **MB-37218** Batch ID: **37218** Test Code: **549W** Units: **µg/L** Analysis Date **4/12/2019 10:50:42 PM** Prep Date **4/11/2019**
Client ID: Run ID: **ORLC8_190412B** SeqNo: **1409389**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	ND	0.40									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 4/22/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1904216
Project: 19D0194

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-37217** Batch ID: **37217** Test Code: **548W** Units: **µg/L** Analysis Date **4/16/2019 7:35:46 PM** Prep Date **4/11/2019**
Client ID: Run ID: **ORGC14_190415A** SeqNo: **1409501**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	201.9	45	225	0	89.7%	61	114	0			
Surrogate: 2,3-D	202	0.10	250	0	80.9%	78	117	0			

Sample ID **LCSD-37217** Batch ID: **37217** Test Code: **548W** Units: **µg/L** Analysis Date **4/16/2019 8:06:01 PM** Prep Date **4/11/2019**
Client ID: Run ID: **ORGC14_190415A** SeqNo: **1409502**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	211.5	45	225	0	94.0%	61	114	202	4.65%	30	
Surrogate: 2,3-D	232	0.10	250	0	92.8%	78	117	202	13.7%	30	

Sample ID **LCS-37218** Batch ID: **37218** Test Code: **549W** Units: **µg/L** Analysis Date **4/12/2019 11:01:24 PM** Prep Date **4/11/2019**
Client ID: Run ID: **ORLC8_190412B** SeqNo: **1409390**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.748	0.40	2.00	0	87.4%	70	130	0			

Sample ID **LCSD-37218** Batch ID: **37218** Test Code: **549W** Units: **µg/L** Analysis Date **4/12/2019 11:22:51 PM** Prep Date **4/11/2019**
Client ID: Run ID: **ORLC8_190412B** SeqNo: **1409391**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.929	0.40	2.00	0	96.4%	70	130	1.75	9.84%	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

NORTH COAST LABORATORIES LTD.

April 24, 2019

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 93340

Attn: Theresa Trevizo

Order No.: 1904281
Invoice No.: 146095
PO No.:
ELAP No.1247-Expires July 2020

RE: 19D0194

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	19D0194-01

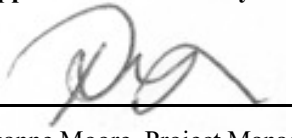
ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

Approved for release by:



Roxanne Moore, Project Manager

Date: 24-Apr-2019
WorkOrder: 1904281

CASE NARRATIVE

The sample was received outside the EPA recommended temperature of less than or equal to 6° C.

Date □□Apr□□□□

WorkOrder □□□□□□□

ANALYTICAL□REPORT

Client□Sample□ID □□D□□□□□□□

Lab□ID □□□□□□□□□□A

Received □□□□□□□□□□

Collected □□□□□□□□□□□□□□

Test□Name □ Glyphosate

Reference □ EPA□□□□

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND		□□□	µg□L	□□□	□□□□□□□□	□□□□□□□□

North Coast Laboratories, Ltd.

Date: 4/24/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1904281
Project: 19D0194

QC SUMMARY REPORT

Method Blank

Sample ID **MB-042319** Batch ID: **R99176** Test Code: **547W** Units: **µg/L** Analysis Date **4/24/2019 12:12:06 AM** Prep Date **4/23/2019**

Client ID: Run ID: **ORLC9_190423A** SeqNo: **1410780**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	ND	5.0									

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 4/24/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1904281
Project: 19D0194

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-042319** Batch ID: **R99176** Test Code: **547W** Units: **µg/L** Analysis Date **4/24/2019 12:33:54 AM** Prep Date **4/23/2019**
Client ID: Run ID: **ORLC9_190423A** SeqNo: **1410781**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	50.05	5.0	50.0	0	100%	80	118	0			

Sample ID **LCSD-042319** Batch ID: **R99176** Test Code: **547W** Units: **µg/L** Analysis Date **4/24/2019 12:55:40 AM** Prep Date **4/23/2019**
Client ID: Run ID: **ORLC9_190423A** SeqNo: **1410782**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	50.70	5.0	50.0	0	101%	80	118	50.0	1.29%	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

May 1, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1904727
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 6 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(2 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
19D0194-01	04/05/2019	04/09/2019	SP 1904727-001	W

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

906.0	04/18/2019:205621 All analysis quality controls are within established criteria
	04/17/2019:204197 All preparation quality controls are within established criteria

Inorganic - Wet Chemistry QC

314.0	04/20/2019:206082 All analysis quality controls are within established criteria
	04/20/2019:204610 All preparation quality controls are within established criteria

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

May 1, 2019 Lab ID : SP 1904727
Pat-Chem Laboratories Customer : 2-12670

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2019-05-01

May 1, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : 19D0194-01
Project : 19D0194

Lab ID : SP 1904727-001
Customer ID : 2-12670

Sampled On : April 5, 2019-00:00
Sampled By : Not Available
Received On : April 9, 2019-17:15
Matrix : Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Perchlorate	ND	2	ug/L		314.0	04/20/19:204610	314.0	04/20/19:206082

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

May 1, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : 19D0194-01
Project : 19D0194

Lab ID : SP 1904727-001
Customer ID : 2-12670

Sampled On : April 5, 2019-00:00
Sampled By : Not Available
Received On : April 9, 2019-17:15
Matrix : Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Tritium	0.000 ± 272	434	pCi/L	20000	906.0	04/17/19-09:15 2P1904197	906.0	04/18/19-10:46 2A1905621

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

May 1, 2019 Lab ID : SP 1904727
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	04/20/19:204610MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	93.5 %	85-115	
			MS	ug/L	25.00	92.5 %	80-120	
		(CH 1972453-001)	MSD	ug/L	25.00	93.5 %	80-120	
			MSRPD	ug/L	25.00	1.1%	≤15	
	314.0	04/20/19:206082MCA	ICB	ppb		0.00	2.0	
			ICV	ppb	2.000	90.0 %	85-115	
			CCB	ppb		0.24	2.0	
			CCV	ppb	10.00	97.9 %	85-115	

Definition

ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

May 1, 2019 Lab ID : SP 1904727
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Tritium	906.0	04/17/19:204197JCA	Blank	pCi/L		-147	<300	
			LCS	pCi/L	1780	87.3 %	75-125	
			BS	pCi/L	1780	95.3 %	75-125	
			BSD	pCi/L	1780	98.2 %	75-125	
			BSRPD	pCi/L	1780	3.3%	≤25	
	906.0	04/18/19:205621JCA	CCV	pCi/L	26050	103 %	90-110	
			CCB	pCi/L		369	500	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

May 14, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1904937
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 5 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(2 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
19D0194-01	04/08/2019	04/12/2019	SP 1904937-001	W

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	05/13/2019:206954 All analysis quality controls are within established criteria.
	05/01/2019:204742 All preparation quality controls are within established criteria.
903.0	04/30/2019:206237 All analysis quality controls are within established criteria.
	04/25/2019:204544 All preparation quality controls are within established criteria.
905.0	05/02/2019:206406 All analysis quality controls are within established criteria.
	04/23/2019:204465 All preparation quality controls are within established criteria.
Ra - 05	05/05/2019:206683 All analysis quality controls are within established criteria.
	04/28/2019:204549 All preparation quality controls are within established criteria, except:

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

May 14, 2019 Lab ID : SP 1904937
Pat-Chem Laboratories Customer : 2-12670

Radio QC

Ra - 05	The following note applies to Ra 228: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2019-05-14

May 14, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : 19D0194-01
Project : 19D0194

Lab ID : SP 1904937-001
Customer ID : 2-12670

Sampled On : April 8, 2019-11:30
Sampled By : Not Available
Received On : April 12, 2019-16:52
Matrix : Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	7.71 ± 1.81	1.78	pCi/L	15/5	900.0	05/01/19-10:06 2P1904742	900.0	05/13/19-11:02 2A1906954
Gross Beta	20.0 ± 1.87	1.49	pCi/L	50	900.0	05/01/19-10:06 2P1904742	900.0	05/13/19-11:02 2A1906954
Strontium 90	0.000 ± 0.209	0.546	pCi/L	8	905.0	04/23/19-18:30 2P1904465	905.0	05/02/19-16:30 2A1906406
Total Alpha Radium (226)	0.029 ± 0.152	0.470	pCi/L	3	903.0	04/25/19-17:30 2P1904544	903.0	04/30/19-14:08 2A1906237
Ra 228	0.149 ± 0.770	0.400	pCi/L	2	Ra - 05	04/28/19-18:00 2P1904549	Ra - 05	05/05/19-14:50 2A1906683

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

May 14, 2019 Lab ID : SP 1904937
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	05/13/19:206954IWC	CCV	cpm	7902	43.7 %	35-47	
			CCB	cpm		0.1400	0.21	
Beta	900.0	05/13/19:206954IWC	CCV	cpm	7902	93.6 %	83-94	
			CCB	cpm		0.3200	0.51	
Gross Alpha	900.0	05/01/19:204742iwc	Blank	pCi/L		1.49	3	
			LCS	pCi/L	130.0	94.3 %	75-125	
			MS	pCi/L	130.0	69.3 %	60-140	
		(SP 1905256-001)	MSD	pCi/L	130.0	71.7 %	60-140	
			MSRPD	pCi/L	130.0	3.4%	≤30	
Gross Beta	900.0	05/01/19:204742iwc	Blank	pCi/L		0.33	4	
			LCS	pCi/L	26.68	151 %	84-160	
			MS	pCi/L	26.68	123 %	80-130	
		(SP 1905256-001)	MSD	pCi/L	26.68	109 %	80-130	
			MSRPD	pCi/L	130.0	12.1%	≤30	
Alpha	903.0	04/30/19:206237JCA	CCV	cpm	8266	38.0 %	37-46	
			CCB	cpm		0.1200	0.16	
Total Alpha Radium (226)	903.0	04/25/19:204544EMV	RgBlk	pCi/L		0.04	2	
			LCS	pCi/L	23.33	74.0 %	52-107	
			BS	pCi/L	23.33	80.6 %	43-111	
			BSD	pCi/L	23.33	82.2 %	43-111	
			BSRPD	pCi/L	23.33	1.9%	≤35.5	
Beta	905.0	05/02/19:206406EMV	CCV	cpm	8267	88.8 %	85-93	
			CCB	cpm		0.4400	0.58	
Total Strontium	905.0	04/23/19:204465EMV	RgBlk	pCi/L		0.16	2	
			LRS	pCi/L	17.53	116 %	53-133	
			BS	pCi/L	17.52	87.5 %	75-125	
			BSD	pCi/L	17.52	93.2 %	75-125	
			BSRPD	pCi/L	17.52	6.3%	≤20	
Beta	Ra - 05	05/05/19:206683EMV	CCV	cpm	8263	88.6 %	84-94	
			CCB	cpm		0.3800	0.48	
Ra 228	Ra - 05	04/28/19:204549EMV	RgBlk	pCi/L		-0.03	3	
			LRS	pCi/L	11.86	71.1 %	65-108	
			BS	pCi/L	11.86	115 %	75-125	
			BSD	pCi/L	11.86	82.0 %	75-125	
			BSRPD	pCi/L	11.86	3.9	≤3	410

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

May 14, 2019 Lab ID : SP 1904937

Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Explanation	
410	: Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0194

Customer: IPC, Inc.		**Project:** (MCC) Quarterly EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/08/19	1130	✓1	Ag, Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe,	Grab	AQ	1L P	HN	
			✓1	Mg, Hg, Ni, Se, Tl, Zn, Ca F, Bromate, Chlorite, Color, Odor, pH,	Grab	AQ	1L P	4°C	
			✓1	Conductivity, Alkalinity, Temperature CN	Grab	AQ	250 P	OH,	
			✓1	MBAS	Grab	AQ	500 P	AA 4°C	
			✓1	Perchlorate	Grab	AQ	500 P	4°C	
			8	✓524/✓504, 552 ✓	Grab	AQ	VOA	4°C	
			6	507, 515, 632, 508, 550, 506	Grab	AQ	1L G	4°C	
			5	Asbestos, Diquat, Endothall, Glphosate,	Grab	AQ	1L G	4°C	
			6	Dioxon- 2,3,7,8 TCDD Radioactive - Radium-226 & 228,Gross	Grab	AQ	1L G	4°C	
			1	Alpha, Gross Beta, Strontium-90 Tritium, Uranium	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	04/08/19	
Received by		Jaird Menjivar	4/8/19	12:30
Relinquished by		Jaird Menjivar	4/8/19	12:30
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/8/19	1510

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

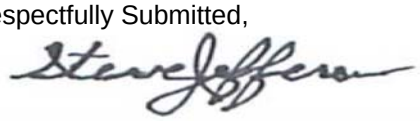
Attention: Ric Vardel
Report Date: 02-May-19 14:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0227-01) Collected: 09-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD91018	0.1	09-Apr-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91020	0.05	10-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD90951	1.8	11-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD90951	1.8	11-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0227

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/09/19	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	04/09/19	
Received by		Jairo Mejivar	4/9/19	1:00PM
Relinquished by		Jairo Mejivar	4/9/19	1:00 PM
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/9/19	1430

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

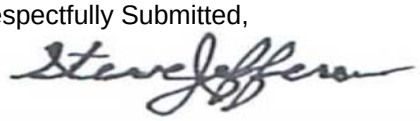
Attention: Ric Vardel
Report Date: 30-Apr-19 14:05
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0229-01) Collected: 09-Apr-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AD91027	0.10	10-Apr-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AD91032	2	15-Apr-19 (SGS)	2 mg/l	
Nitrate as N	EPA 353.2	AD90945	0.02	09-Apr-19 (LA)	0.18 mg/l	
Nitrite as N	EPA 353.2	AD90945	0.02	09-Apr-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AD91029	0.10	11-Apr-19 (LA)	0.95 mg/l	
Total Suspended Solids	SM 2540D	AD91033	1	10-Apr-19 (EA)	1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0229

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/08/19	[redacted]	1	TSS	[redacted] Composite	AQ	1L P	4°C	
	04/09/19	1010	1	NH4, TKN	Grab	AQ	500 P	HS	
	04/09/19	1010	1	NO2, NO3	Grab	AQ	500 P	4°C	
	04/08/19		1	BOD	[redacted] Composite	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (Cal)	04/09/19	
Received by		Jairo Mendivar	4/9/19	1600pm
Relinquished by		Jairo Mendivar	4/9/19	1600pm
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/9/19	1430

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

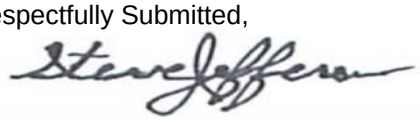
Attention: Ric Vardel
Report Date: 30-Apr-19 13:38
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19D0228-01) Collected: 09-Apr-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AD91032	2	15-Apr-19 (SGS)	360 mg/l	
Total Suspended Solids	SM 2540D	AD91033	1	10-Apr-19 (EA)	124 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0228

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: C. Dunn	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #:949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	04/08/19		1	TSS	Grab	AQ	1L P	4°C	
"	"		1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Dunn	Carlos Alvarez (IPC)	04/09/19	
Received by		Jairo Mendivar	4/9/19	1:00PM
Relinquished by		Jairo Mendivar	4/9/19	1:00PM
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/9/19	1430

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

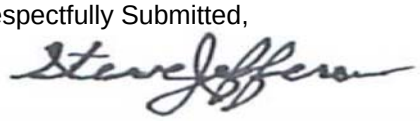
Attention: Ric Vardel
Report Date: 02-May-19 14:25
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0260-01) Collected: 10-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD91108	0.1	10-Apr-19 (PL)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91121	0.05	11-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91037	1.8	12-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91037	1.8	12-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19DO260

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/10/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.5/21.2°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (SRC)	04/10/19	1251
Received by		MARIO SANTIESTEBAN (PCL)	4/10/19	1251
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/10/19	1410

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4 **HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

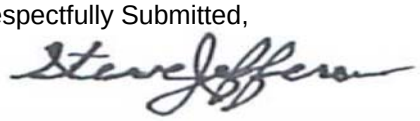
Attention: Ric Vardel
Report Date: 02-May-19 14:27
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0285-01) Collected: 11-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD91124	0.1	11-Apr-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91123	0.05	11-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91117	1.8	13-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91117	1.8	13-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1900285

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/11/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arroyo (CPC)	04/11/19	
Received by	EG		4/11/19	1145
Relinquished by	EG		4/11/19	1300
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	4/11/19	1307

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement not to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs it a sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information or data concerning PCL test methods, software programs or other formulations.

10. Hold Harmless

Client releases, and shall save, indemnify, defend and hold PCL, its employees, officers, investors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to any agreement and/or subcontractor pertaining to disposal of client's characteristic materials, 1. injury, disease or death of persons 2. loss of, damage to, or loss of use of property and or 3. financial loss of every and all character. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character, arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent not prohibited by applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be carried by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest)), or any other expenses be such be sought by client in a claim made by a customer against or involving PCL, or any indemnified person in connection with this agreement, or any services provided under this agreement, even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as soil, water, polychlorinated biphenyls, asbestos or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (together, the existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any Hazardous Material received by PCL from client or client's agent shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples to accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis bacterial analysis, client will be charged a sample acceptance fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations where the services were performed or with prices disclosed and rates confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees against fees associated with such collection proceedings or otherwise.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative. Except that subsequent orders for additional services may be placed by or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability to client's use or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall not be relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the SEC or any securities, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or confirmation with, directly or indirectly, any governmental agency or instrumentality.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided upon client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without additional rush charge. All short holding times (< 72 hours) samples must arrive at the lab within 48 hours. Please inquire to receive additional holding times can be met. Short holding times (48 hours or less (bacteria is 8 hours) must be relevant that same day in order to guarantee holding times are met. After hours, time delivery, traffic emergency delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. The accepted long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Inconsistencies detect during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

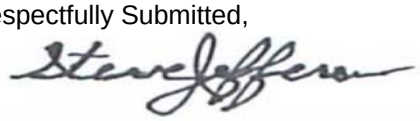
Attention: Ric Vardel
Report Date: 02-May-19 14:30
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0323-01) Collected: 12-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD91320	0.1	12-Apr-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91321	0.05	13-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91207	1.8	14-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91207	1.8	14-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0323

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #:949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/12/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6/20.7
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/12/19	1400
Received by		MARIO SANTIESTEBAN (PCL)	4/12/19	1400
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/12/19	1535

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

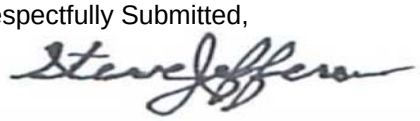
Attention: Ric Vardel
Report Date: 02-May-19 14:33
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0328-01) Collected: 13-Apr-19 By Julio Leal						
pH	SM4500-H-B	AD91421	0.1	14-Apr-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91422	0.05	14-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91318	1.8	15-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91318	1.8	15-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0328

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Julio Leal	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	04-03-19	0810	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/7.0°C
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	4-13-19	1010
Received by			
Relinquished by: Jose L Gomez	Jose L Gomez	4/13/19	1010
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	4/13/19	11:05

Sample Received Checklist

Temperature upon receipt: 7°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has required laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means the Client Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms must be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written order of counter (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), the Water Board (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM), of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) within our QA/QC program. The total liability of PCL or its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or analytical relieves PCL from any liability in excess of the limiting amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the risk and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay in failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples or extract provided or used by or at client's request and the results obtained by PCL shall be held in confidence however such information is generally available to the public or is the entire subject of client has filed or has PCL for services rendered or is otherwise in breach of the agreement (or any amendment requested by law or court process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data unless such standard was observed. PCL reports and information provided thereunder is the exclusive use and benefit of client and client agrees that shall be the exclusive beneficiary of such reports, data or information. Client shall not rely on any third party to whom client has provided reports or other information prepared by PCL.

10. Hold Harmless

Client agrees and shall indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and costs, (and attorneys' fees including, but not limited to, litigation expenses) and awards arising in favor of client or any third party as a result in whole or any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. Client agrees to indemnify and hold harmless PCL, its officers, employees, agents, successors and assigns from and against any and all claims, demands, damages, liabilities, losses, costs, expenses, causes of action, suits, and judgments of every kind and character arising out of or in connection with the performance of services by PCL pursuant to this agreement, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified parties. To the extent that any client shall be a law firm agent or party, indemnity obligations will be supported by an errors & omissions insurance policy in the minimum amount of $1 million per occurrence. Client shall be responsible for all costs and expenses associated with any action instituted to collect on any debt owed to PCL by client, to enforce any indemnity provision of this agreement or any other agreement between client and PCL, or to defend any counterclaim, cross-claim, or third-party claim asserted against PCL by client in any dispute, whether any such claim is successful or not. In the event any client or any of client's employees or agents shall be required by oral deposition, subpoena, or otherwise to testify or produce documents regarding any matter relating in any way to the services performed by PCL for client hereunder, client agrees to pay PCL its then prevailing hourly rates for employee time spent in responding to such requests, including preparation for and travel time, and all out-of-pocket expenses incurred by PCL, including, without limitation, attorneys' fees, court costs, and the costs of any court reporters, experts, and other consultants employed by PCL in any dispute in any manner connected with or relating to PCL's performance of services or client's performance of its obligations under this agreement, or any other agreement between client and PCL, or PCL's employment by client. In any dispute between client and PCL or any independent person or company bound by any agreement to arbitrate any dispute, which any agreement exists, client and PCL agree to submit any such dispute to binding arbitration before a single arbitrator mutually selected by the parties. The arbitration proceeding shall be governed by the Federal Arbitration Act, 9 U.S.C. Sec. 1-16, not by any state law governing arbitration proceedings. The arbitration shall be conducted in Los Angeles, California, before the American Arbitration Association ("AAA") under the AAA's Commercial Arbitration Rules then existing. Any arbitration hearing shall commence within 90 days of the date on which a demand for arbitration is filed. Client waives the right to resolve any dispute with PCL through a trial by jury or judge or by class action. Client shall submit to the exclusive jurisdiction of the state and federal courts located in Los Angeles County, California, and agrees that any such action shall be tried only in a court located in Los Angeles County, California. Client agrees that the prevailing party shall be entitled to recover its reasonable attorneys' fees and costs, including expert witness fees, incurred in connection with any dispute between client and PCL or any action to enforce any provision of this agreement, whether or not such dispute results in arbitration or litigation.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide PCL with relevant samples to analyze. For example, in planning, performing and interpreting the results of any other hazardous waste evaluation, client will provide PCL with all relevant information in client's possession or control with respect to the existence of hazardous materials at or near the location from which samples are to be collected. Client recognizes and agrees that PCL is not responsible for the characterization, identification, treatment, storage, handling, transportation, disposal, or removal of hazardous materials found or identified at client's site. PCL assumes no responsibility or liability for any plan or response actions that may be required at client's site. Client shall indemnify, defend and hold harmless PCL, its officers, employees, agents, successors and assigns from and against any and all claims, losses, damages, liabilities and expenses (including, but not limited to, all fees and charges of attorneys, experts and arbitrators and all costs of litigation) which may be imposed on, incurred by or asserted against PCL, its officers, employees, agents, successors and assigns in any way relating to any hazardous materials that are present at client's site, whether or not PCL was negligent in causing or contributing to the release or threatened release of such hazardous materials. Client shall not ship hazardous samples to PCL's laboratory without prior written approval from PCL. Client shall properly label all samples shipped to PCL according to U.S. Department of Transportation regulations. Client shall indemnify, defend and hold harmless PCL, its officers, employees, agents, successors and assigns from and against any and all claims, losses, damages, liabilities and expenses (including, but not limited to, all fees and charges of attorneys, experts and arbitrators and all costs of litigation) which may be imposed on, incurred by or asserted against PCL, its officers, employees, agents, successors and assigns in any way relating to any hazardous materials that are present at client's site, whether or not PCL was negligent in causing or contributing to the release or threatened release of such hazardous materials. Client shall not ship hazardous samples to PCL's laboratory without prior written approval from PCL. Client shall properly label all samples shipped to PCL according to U.S. Department of Transportation regulations.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotations on the date the services were rendered or with price reported and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services are rendered is required for some clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. In the absence of payment of all or any portion of the invoice within said period or the close of the month, rate permissible by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection whether suit is filed or not.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is accepting services hereunder for its own account, and not as agent or broker, or on any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not warranted, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the participation in or coordinating with any effort or activity of any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the work will not be rushed.

16. Holding Times

PCL cannot be responsible for missing holding times that are exceeded because of samples that are delivered on weekends or after hours or weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any sampling being initiated by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less samples must arrive within 96 hours to allow PCL to meet holding times without incurring a rush surcharge. All analyses having 7 days, samples must arrive in the lab no later than 72 hours before expiration. Expiration of the holding times can be met. Short holding times (24 hours or less) or immediate (field) must be received the same day, or prior to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are effective as of the collection date of the five schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for a period thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. The arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the prearranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on our fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling event or services are additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-May-19 14:36
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0333-01) Collected: 14-Apr-19 By Golan Kfir						
pH	SM4500-H-B	AD91522	0.1	14-Apr-19 (PL)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91523	0.05	15-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91420	1.8	16-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91420	1.8	16-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0333

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/14/19	10:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	4/14/19	10:20
Received by: Alex Walker	Alex Walker Jr	4/14/19	1153
Relinquished by: Alex Walker	Alex Walker Jr	4/14/19	1413
Received by:			
Relinquished by:			
Received in lab by: Alex Walker	Alex Walker Jr	4/14/19	1417

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
Comp

Matrix
~~AQ~~ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
~~VOA - 40 ml Vial~~
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions
2. Independent Contractor
3. Orders and Acceptance
4. Limit of Liability
5. Clients Responsibility
6. Cancellation
7. Overriding Agreement
8. Force Majeure
9. Confidentiality
10. Hold Harmless
11. Hazardous Substances
12. Prices/Payments
13. Agreement Modification
14. No Third Party Beneficiaries: No Right of Reliance
15. Rush Analysis
16. Holding Times
17. Sample Retention
18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

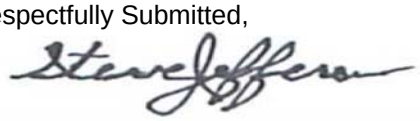
Attention: Ric Vardel
Report Date: 02-May-19 14:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0348-01) Collected: 15-Apr-19 By Golan Kfir						
pH	SM4500-H-B	AD91611	0.1	15-Apr-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91613	0.05	16-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91534	1.8	17-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91534	1.8	17-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0348

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. Olivarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/15/19	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Olivarez	Carlos Olivarez (IPC)	04/15/19	
Received by	EB	Carlos (PCL)	4.15.19	1200
Relinquished by	EB	Carlos (PCL)	4.15.19	1300
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/15/19	1300

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

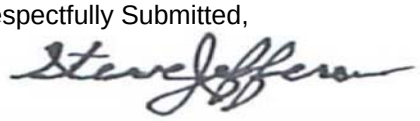
Attention: Ric Vardel
Report Date: 30-Apr-19 13:58
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19D0377-01) Collected: 15-Apr-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AD91744	2	22-Apr-19 (EA)	420 mg/l	
Total Suspended Solids	SM 2540D	AD91746	1	17-Apr-19 (EA)	271 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0377

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) Weekly INF
Sampled by: Golan Kfir
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	4/15/19	0:00	1	TSS 24h comp.	~~Grab~~	AQ	1L P	4°C	
	"	"	1	BOD 24h. comp.	~~Grab~~	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	GK	Golan, IPC	4/16/19	10:00
Received by	EG	[illegible]	4.16.19	1220
Relinquished by	EG	[illegible]	4.16.19	1430
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/16/19	1430

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

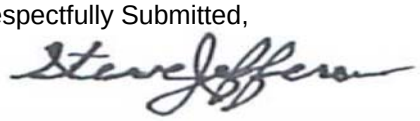
Attention: Ric Vardel
Report Date: 03-May-19 10:56
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0378-01) Collected: 16-Apr-19 By Golan Kfir						
pH	SM4500-H-B	AD91748	0.1	16-Apr-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91742	0.05	17-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91620	1.8	18-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91620	1.8	18-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0378

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/16/19	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	4/16/19	10:00
Received by: Eli	Eli Cuarle	4.16.19	1220
Relinquished by: Eli	Eli Cuarle	4.16.19	1430
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	4/16/19	1430

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

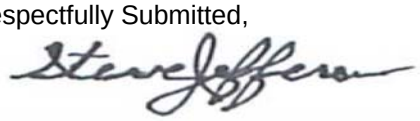
Attention: Ric Vardel
Report Date: 30-Apr-19 14:08
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0379-01) Collected: 16-Apr-19 By Golan Kfir						
Ammonia as N	EPA 350.1	AD91812	0.10	18-Apr-19 (SGS)	0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AD91744	2	22-Apr-19 (EA)	<2 mg/l	
Nitrate as N	EPA 353.2	AD91737	0.02	17-Apr-19 (LA)	0.48 mg/l	
Nitrite as N	EPA 353.2	AD91737	0.02	17-Apr-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AD92237	0.10	24-Apr-19 (LA)	1.07 mg/l	
Total Suspended Solids	SM 2540D	AD91746	1	17-Apr-19 (EA)	1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0379

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/16/19	9:50	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	4/15/19	0:00	1	BOD	~~Grab~~ 24h. comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	4/16/19	15:00
Received by: EG	Emily	4/16/19	1220
Relinquished by: EG	Emily	4.16.19	1430
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	4/16/19	1430

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-19 10:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0420-01) Collected: 17-Apr-19 By Golan Kfir						
pH	SM4500-H-B	AD91815	0.1	17-Apr-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91814	0.05	18-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91741	1.8	19-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91741	1.8	19-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0420

Customer: IPC, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project : (MCC) Daily EFF

Sampled by: Golan Kfir

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	4/17/19	12:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.33@ 13.4°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	GK	Golan IPC	4/17/19	12:25
Received by		MARIO SAN ESTEBAN	4/17/19	1440
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SAN ESTEBAN (PCL)	4/17/19	1550

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

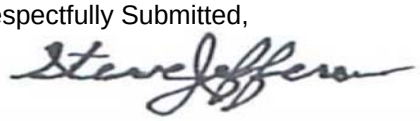
Attention: Ric Vardel
Report Date: 03-May-19 11:00
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0437-01) Collected: 18-Apr-19 By Carlos Alvarez						
pH	SM4500-H-B	AD91912	0.1	18-Apr-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD91913	0.05	19-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91813	1.8	20-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91813	1.8	20-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0437

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #:949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/18/19	0925	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPL)	04/18/19	
Received by		Jairo Munguia	4/18/19	12:40PM
Relinquished by		Jairo Munguia	4/18/19	12:40PM
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/18/19	1410

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4 **HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **AI** - $AlCl_3$ **Cu** - $CuSO_4$
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

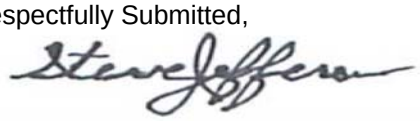
Attention: Ric Vardel
Report Date: 03-May-19 11:03
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0460-01) Collected: 19-Apr-19 By Carlos Alvarez						
pH	SM4500-H-B	AD92025	0.1	19-Apr-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92024	0.05	20-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD91911	1.8	21-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD91911	1.8	21-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1900460

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/19/19	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAE)	04/19/19	
Received by		Jairo Manjivar	4/19/19	12:00
Relinquished by		Jairo Manjivar	4/19/19	12:00
Received by				
Relinquished by				
Received in lab by			4.19.19	12:--

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. NO contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services not withstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability all or the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client and any role and PCL will receive samples materials for analysis such as asbestos, pyrophoric, corrosive, biohazards, explosive or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any change in administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or as PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any EPA bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in executing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rely upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, encumbrance, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding time can be met. Short Holding Times of 48 hours or less (Nitrate is 48 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Primary and long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been inflated on our fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Apr-19 14:13
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0132-01) Collected: 04-Apr-19 By JL						
Boron	EPA 200.7	AD90510	0.10	05-Apr-19 (AF)	0.43 mg/l	
MBAS	SM 5540C	AD90506	0.20	05-Apr-19 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AD90511	5	05-Apr-19 (WW)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AD90946	0.03	09-Apr-19 (LA)	0.05 mg/l	
Total Dissolved Solids	SM 2540C	AD90839	5	10-Apr-19 (EA)	1120 mg/l	
Chloride	EPA 300.0	AD90517	1.0	05-Apr-19 (AV)	274 mg/l	
Sulfate as SO4	EPA 300.0	AD90517	0.5	05-Apr-19 (AV)	268 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0132

Customer: IPC, Inc.		Project : (MCC) Monthly EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	04/04/19	0940	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	04/04/19	
Received by	EC	Carlos pcl	4/4/19	1130
Relinquished by	EC	Carlos pcl	4/4/19	1445
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/4/19	1445

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-19 11:05
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0468-01) Collected: 20-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD92117	0.1	20-Apr-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92118	0.05	21-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92022	1.8	23-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92022	1.8	23-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0468

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ric Vardel	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/20	0915	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric Vardel (IPC)	4/20	0930
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	4/20/19	1000
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	4/20/19	11:10

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 11°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto to which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or restated from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a data report shall be deemed releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client's purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning PCL's methodology, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, assigns in each and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client characterize materials. 1. Injury or loss or death of persons 2. Loss of, damage to, lien of, seizure of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligations will be supported by, and the Client shall maintain, insurance to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption or cancellation expenses or other fees (including, without limitation, attorney's fees, court costs, and our post-trial judgment collection), or any other economic loss sustained by Client in any way connected with any claim against or involving PCL or any Indemnified Person in connection with this agreement, in an amount greater than the fees paid by Client to PCL for the services which are the subject of this agreement.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste and substances which are defined, designated or classified as such under federal, state or local law. Unless PCL is subject to regulations (whether now existing or hereafter enacted or promulgated) or any public or governmental interpretation of any thereof (the "Regulations Materials"), Client understands and agrees that any such material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or its PCL's QA/QC policies. In the event the client does not specify as preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation or on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is ordering services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or unreceived after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 36 hours to allow PCL to meet holding times without assuming rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours prior acceptance to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria) should be delivered the same day in order to guarantee holding times are met. After hours, late delivery, freight damaging delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for a minimum sixty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling stage, as determined by PCL will be

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

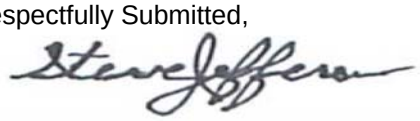
Attention: Ric Vardel
Report Date: 03-May-19 11:07
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0474-01) Collected: 21-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD92228	0.1	21-Apr-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92229	0.05	22-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92116	1.8	23-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92116	1.8	23-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0474

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/21	0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric Vardel (IPC)	4/21	1000
Received by		Alex Walker Jr (PCL)	4/21/19	1115
Relinquished by		Alex Walker Jr	4/21/19	1930
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	4/21/19	13:45 / 13:45 AW

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services consisting of sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may place services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and chemical data provided thereto are for the exclusive use and benefit of Client and client agrees client shall not be a third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, all court fees (including Expenses) and awards arising in favor of Client or any third party as a result of and/or in any way resulting incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or their subsequent handling or disposal of client's hazardous substance, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. environmental or waste of any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to actions, claims, damages, or loss of every kind and character that may arise out of or in connection with the negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent not prohibited under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption), Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and cost of your judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under the agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waster and substances which are defined, determined or identified as such under federal, state or local law(s), rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's EHS/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in cash or check or credit card is required for all services rendered to clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH without invoice thirty (30) days from date of invoices. To the fullest extent permitted by law, by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or arbitration, the client shall pay reasonable costs and attorney's fees (or agents' fees associated with such collection procedure as well.

13. Agreement Modification

Changes to conditions or amendments to the terms shall be effective only if signed and executed by an officer of PCL and by the client or a representative showing that individual's right for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right or Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. PCL is passing services hereunder for its own account and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on PCL's data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or will be used to/relied upon, in connection with or as part of, the purchase, sale, underwriting, or other disposition of any securities, or with regard to other transactions of a similar nature, including, without limitation, any offering of securities, syndication, assignment, participation, recapitalization, amendment, renewal or extension of any loan from any financial institution or other lender or the certification of any fact in connection with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 72 hours of collection for PCL to meet holding times without incurring a rush surcharge. All short holding times, (72 hours, samples must arrive at the lab within 24 hours, before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (Coliform is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been quoted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

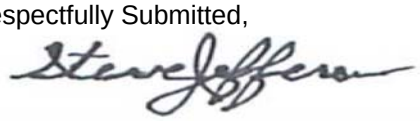
Attention: Ric Vardel
Report Date: 03-May-19 11:09
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0481-01) Collected: 22-Apr-19 By Ric Vardel						
pH	SM4500-H-B	AD92321	0.1	22-Apr-19 (PL)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92320	0.05	23-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92238	1.8	24-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92238	1.8	24-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0481

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/22/19	1035	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	04/22/19	
Received by		PCL	4/22/19	1130
Relinquished by		PCL	4-22-19	
Received by				
Relinquished by				
Received in lab by		PCL	4-22-19	1130

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments to them which are agreed to in writing. "Client" means the individual or entity who may request laboratory services (including sampling services) and who is the party, employee, agent and representative. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent [illegible] in providing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services or estimates for only under the following General Terms and Conditions (the "Terms"). These Terms shall govern PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written request to PCL or PCL may solicit orders from Client. An acceptance by the Client of PCL's offer to do business with the Client under the terms and conditions and 2. an agreement to be bound by these Terms and conditions. The Client's delivery of samples to PCL or acceptance of consulting services constitutes the Client's consent to be governed by these terms and conditions. No additional or additional terms and conditions expressed in a Client's document shall be deemed to become a part of this contract, regardless of payment of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable. PCL will use analytical methodologies whenever or numerical conformity with the U.S. Environmental Protection Agency (EPA), U.S. Patent and Trade Mark Office, American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate to the nature or composition of the samples or materials based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOPs and/or the QA/QC policies. The total liability of PCL, its officers, agents, employees, or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for such services. Client's acceptance of a work order or of the proposal relevant PCL hereby limits its liability to the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information relevant to enable PCL to perform its services safely and all clients.

6. Cancellation

Client may cancel any order for services hereunder, subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, and shall be the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform its obligations pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by Client or at Client's request and the results obtained by PCL shall be held in confidence unless such information is previously available to the public or is the public domain or client has given written PCL for all services rendered. In the absence of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in conducting its own confidential data and shall not be responsible for unauthorized disclosure of test data where such disclosure was [illegible] PCL reports and information provided pursuant to this agreement or Client's failure to maintain confidentiality when Client uses PCL reports or test results. Client will not disclose PCL's test procedures, information concerning methodologies, software programs or secret formulations.

10. Hold Harmless

Client will defend and hold harmless, indemnify, and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies and agents, and each of its successors, heirs or assigns (jointly, severally or collectively, each and individually referred to as "Indemnified Party") from and against any and all claims, demands, losses, liabilities, costs and expenses (including reasonable attorneys' fees and costs) of any kind or nature whatsoever, whether or not involving a third party claim, which arise out of, result from or are related to (a) any actual or alleged infringement of any patent, trademark, copyright or trade secret, or misappropriation or misuse of any confidential information or other proprietary right of any person or entity, which arise out of or are related to the performance of the services by PCL or the use by Client or any other person or entity of the services, deliverables or other materials provided by PCL hereunder, or (b) any actual or alleged death of or injury to any person, damage to any real or personal property or any other loss, claim, damage or liability of any kind or character whatsoever, whether or not due to third party claims, which arise out of or are related to the performance of the services by PCL or the use by Client or any other person or entity of the services, deliverables or other materials provided by PCL hereunder, except to the extent finally judicially determined to have been caused by the willful misconduct or gross negligence of the Indemnified Party. Without limiting the foregoing, Client will indemnify, defend and hold harmless each Indemnified Party from and against any and all losses, damages, liabilities, deficiencies, actions, judgments, interest, awards, penalties, fines, costs or expenses of whatever kind, including reasonable attorneys' fees, arising out of or resulting from any claim, action or proceeding by any person or entity which is based on or arises from (i) Client's breach of any representation, warranty or obligation set forth in this agreement, or (ii) any negligent or more culpable act or omission of Client (including any reckless or willful misconduct) in connection with the performance of its obligations under this agreement or any activities contemplated by this agreement.

11. Hazardous Substances

For PCL to perform the services requested by Client, Client will identify and PCL will receive certain materials or substances which are known to be hazardous, toxic or otherwise harmful to or dangerous to persons or property and which are regulated by any federal, state or local law, rule, regulation or ordinance (collectively, "Hazardous Materials"). Client will comply with all applicable laws, rules, regulations and ordinances and all PCL policies or regulations (whether now existing or hereafter enacted or promulgated) pertaining to Hazardous Materials. Client represents and warrants to PCL that Client has fully informed PCL in writing of the characteristics and identity of all Hazardous Materials that may be delivered to, received by or handled by PCL hereunder. Client will indemnify, defend and hold harmless each Indemnified Party from and against any and all losses, damages, liabilities, deficiencies, actions, judgments, interest, awards, penalties, fines, costs or expenses of whatever kind, including reasonable attorneys' fees, arising out of or resulting from any claim, action or proceeding by any person or entity which is based on or arises from (i) Client's failure to properly identify any Hazardous Materials delivered to PCL hereunder, or (ii) any negligent or more culpable act or omission of Client (including any reckless or willful misconduct) in connection with the performance of its obligations under this agreement or any activities contemplated by this agreement with respect to the Hazardous Materials delivered to PCL hereunder. Client will promptly pay the reasonable and customary charges that PCL may establish from time to time for the handling of Hazardous Materials. Client acknowledges that PCL is not a waste disposal site, transfer station or storage facility. Client will not deliver to PCL any Hazardous Materials without PCL's prior written consent. If PCL accepts any Hazardous Materials, Client will sign a separate bailment agreement with PCL. Client will not deliver to PCL any Hazardous Materials that Client knows or has reason to know are explosive or radioactive. Client will not deliver to PCL any Hazardous Materials that are regulated by the Nuclear Regulatory Commission. Client will not deliver to PCL any Hazardous Materials that are regulated by the Drug Enforcement Administration.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the agreement for services provided in such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in accordance with such schedule is required for all new clients prior to the initiation of services under this agreement. For clients [illegible] with PCL [illegible] with an established account, the terms for payment of invoices are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or applicable law, any amount unpaid at the end of thirty (30) days is subject, at the option of the insured, to a late charge of one and one-half percent (1.5%) per month on the unpaid balance. Unpaid amounts are turned over to legal counsel or collection attorney. The client may also be responsible for all attorney fees or costs incurred with such collection procedure or action.

13. Agreement Modification

Changes, modifications or amendments to this terms shall be effective only if in writing and executed by an officer of PCL [illegible] Failure to object to provisions contained in any confirmation, invoice or other communication shall not be construed as a waiver of any provision of these terms and conditions.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished to PCL. Client is solely responsible for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on data, information or reports. Client represents, warrants, and agrees that test data, information and reports are not transmitted, in whole or in part, to any other person or entity as part of the purchase, sale, underwriting, or dissemination of any securities, any offering or other reporting to the holders of any security, the renewal, replacement, reissuance or extension of any loan or any financial institution or other lender or in any certification or compliance with, or audit of, federal, state or municipal laws, rules or regulations.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If for any subsequent request, the rush time cannot be met, the normal price will apply.

16. Holding Times

PCL [illegible] responsible for holding times for all samples received or samples that are delivered on unreasonably short time schedules and/or prior to confirmation and acceptance. Standard holding times and storage conditions should be reviewed prior to any sampling being performed by PCL. A list of holding times can be provided to the client if requested. No analyses with holding times of 24 hours or less, samples must arrive within 36 hours of collection. PCL is not responsible for holding these samples if arrival is after 24 hours. Additional charges may apply. In most cases, written approval of the laboratory is required prior to the collection of these samples. PCL reserves the right to reject samples that are received outside of holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All work performed by PCL has been initiated on the fee schedule. Reasonable time has been provided for [illegible] and client service. Unnecessary delays during the pick up or sampling might be considered additional for

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

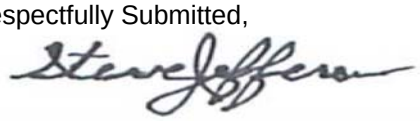
Attention: Ric Vardel
Report Date: 03-May-19 11:11
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0517-01) Collected: 23-Apr-19 By Carlos Alvarez						
pH	SM4500-H-B	AD92423	0.1	23-Apr-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92424	0.05	24-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92329	1.8	25-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92329	1.8	25-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0517

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project : **(MCC) Daily EFF**

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/23/19	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/23/19	12:45
Received by		Linay Martinez PCL	4/23	12:45
Relinquished by		Linay Martinez PCL	4/23	14:27
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/23/19	1427

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

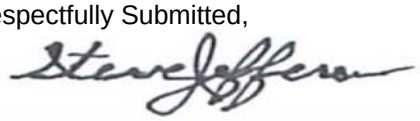
Attention: Ric Vardel
Report Date: 30-Apr-19 14:10
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0526-01) Collected: 23-Apr-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AD92509	0.10	25-Apr-19 (SGS)	0.15 mg/l	
Nitrate as N	EPA 353.2	AD92326	0.02	23-Apr-19 (LA)	0.83 mg/l	
Nitrite as N	EPA 353.2	AD92326	0.02	23-Apr-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AD92514	0.10	26-Apr-19 (LA)	0.99 mg/l	
EFF (Sample I.D.# : 19D0526-02) Collected: 23-Apr-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AD92429	2	29-Apr-19 (VD)	3 mg/l	
Total Suspended Solids	SM 2540D	AD92420	1	24-Apr-19 (SGS)	1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0526

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/22		1	TSS 24h Composite	[redacted]	AQ	1L P	4°C	
	04/23	1155	1	NH4, TKN	Grab	AQ	500 P	HS	
	1	1	1	NO2, NO3	Grab	AQ	500 P	4°C	
	04/22		1	BOD 24h Composite	[redacted]	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	04/23/19	12:45
Received by		Cindy Manriquez	04/23	12:45
Relinquished by		Cindy Manriquez PCL	04/23	14:27
Received by				
Relinquished by				
Received in lab by		MARIO SAN JUESTEBAN (PCL)	4/23/19	1427

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4 **HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **AI** - $AlCl_3$ **Cu** - $CuSO_4$
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

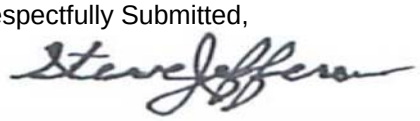
Attention: Ric Vardel
Report Date: 30-Apr-19 14:00
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19D0516-01) Collected: 23-Apr-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AD92429	2	29-Apr-19 (VD)	420 mg/l	
Total Suspended Solids	SM 2540D	AD92420	1	24-Apr-19 (SGS)	248 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 4/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0516

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	04/22/19	1155	1	TSS 24h composite	~~Grab~~	AQ	1L P	4°C	
	1		1	BOD 24h composite	~~Grab~~	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	04/22/19	12:45
Received by		Cindy Martinez PCL	4/23	12:45
Relinquished by		Cindy Martinez	4/23	14:27
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/23/19	1427

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

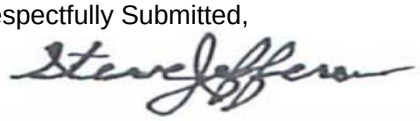
Attention: Ric Vardel
Report Date: 03-May-19 11:14
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0540-01) Collected: 24-Apr-19 By Carlos Alvarez						
pH	SM4500-H-B	AD92517	0.1	24-Apr-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92518	0.05	25-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92425	1.8	26-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92425	1.8	26-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0540

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	04/24/19	1005	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40 / 10.7°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/24/19	11:55
Received by		Armando Olmos (Pat-Chem)	4/24/19	11:55
Relinquished by		Armando Olmos (Pat-Chem)	4/24/19	15:30
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/24/19	1530

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

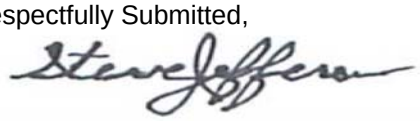
Attention: Ric Vardel
Report Date: 03-May-19 11:17
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0565-01) Collected: 25-Apr-19 By Carlos Alvarez						
pH	SM4500-H-B	AD92610	0.1	25-Apr-19 (JC)	7.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92611	0.05	26-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92516	1.8	27-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92516	1.8	27-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0565

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/25/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.79/21.6
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ZRC)	04/29/19	11:35
Received by		[illegible] PCL	4/25	11:35
Relinquished by		[illegible] PCL	4/25	15:10
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/25/19	1310

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-19 11:20
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0585-01) Collected: 26-Apr-19 By Carlos Alvarez						
pH	SM4500-H-B	AD92716	0.1	26-Apr-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92715	0.05	27-Apr-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92609	1.8	28-Apr-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92609	1.8	28-Apr-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1905585

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/26/19	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/26/19	12:20
Received by		Armando Ochoa (PAT-CHEM)	4/26/19	12:20
Relinquished by		Armando Ochoa (PAT-CHEM)	4/26/19	14:10
Received by				
Relinquished by				
Received in lab by			4-26-19	1410

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-19 11:24
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0596-01) Collected: 27-Apr-19 By Carlos Alvarez						
pH	SM4500-H-B	AD92718	0.1	29-Apr-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92919	0.05	27-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92714	1.8	29-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92714	1.8	29-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0596

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	04/27/19	[illegible] 0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.41/9.6°
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (IPC)	04/27/19	1000
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	4/27/19	1000
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	4/27/19	1100

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 11°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

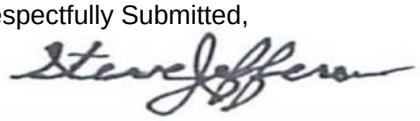
Attention: Ric Vardel
Report Date: 03-May-19 11:27
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0601-01) Collected: 28-Apr-19 By Julio Leal						
pH	SM4500-H-B	AD92824	0.1	28-Apr-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD92919	0.05	29-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92823	1.8	30-Apr-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92823	1.8	30-Apr-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0601

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Tuvo Lear	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	4-28-19	08'30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44/7.6°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Tuvo Lear	4-28-19	1305
Received by	Jordan Corkery	4-28-19	1305
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	4-28-19	1420

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

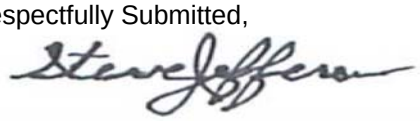
Attention: Ric Vardel
Report Date: 03-May-19 11:29
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0611-01) Collected: 29-Apr-19 By Golan Kfir						
pH	SM4500-H-B	AD93013	0.1	29-Apr-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AD93014	0.05	30-Apr-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD92927	1.8	01-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD92927	1.8	01-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190611

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	4/29/19	11:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 16.7°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11:40	4/29/19
Received by:	Alejandro Olmos (Pat-Chem)	11:40	4/29/19
Relinquished by:	Alejandro Olmos (Pat-Chem)	13:25	4/29/19
Received by			
Relinquished by			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	1325	4/29/19

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

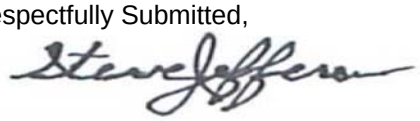
Attention: Ric Vardel
Report Date: 29-May-19 13:08
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19D0637-01) Collected: 29-Apr-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AE90137	2	06-May-19 (SGS)	318 mg/l	
Total Suspended Solids	SM 2540D	AE90135	1	01-May-19 (EA)	212 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1900637

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	4/29/19	0:00	1	TSS 24h. Comp. ~~Grab~~		AQ	1L P	4°C	
	"	"	1	BOD 24h. Comp ~~Grab~~		AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	4/30/19	12:00
Received by:	Hermenegildo Olmos (Pat-Chem)	4/30/19	12:25
Relinquished by:	Hermenegildo Olmos (Pat-Chem)	4/30/19	14:30
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	4/30/19	1430

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

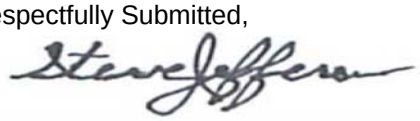
Attention: Ric Vardel
Report Date: 03-May-19 11:32
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0634-01) Collected: 30-Apr-19 By Golan Kfir						
pH	SM4500-H-B	AE90134	0.1	30-Apr-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE90133	0.05	01-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AD93021	1.8	02-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AD93021	1.8	02-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0634

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/30/19	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.45/17.2°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	4/30/19	12:00
Received by:	ARMANDO OLMOS (Pat-Chem)	4/30/19	12:35
Relinquished by:	ARMANDO OLMOS (Pat-Chem)	4/30/19	14:30
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	4/30/19	1430

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

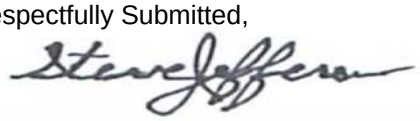
Attention: Ric Vardel
Report Date: 29-May-19 13:17
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19D0640-01) Collected: 30-Apr-19 By Golan Kfir						
Ammonia as N	EPA 350.1	AE90128	0.10	01-May-19 (SGS)	0.35 mg/l	
Nitrate as N	EPA 353.2	AE90131	0.20	01-May-19 (LA)	2.18 mg/l	
Nitrite as N	EPA 353.2	AE90131	0.02	01-May-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AE90728	0.10	08-May-19 (LA)	1.61 mg/l	
Total Suspended Solids	SM 2540D	AE90135	1	01-May-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19D0640-02) Collected: 30-Apr-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AE90137	2	06-May-19 (SGS)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19D0640

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/30/19	11:20	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	4/29/19	0:00	1	BOD 24h. comp.	~~Grab~~	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Golan	Golan IPC	4/30/19	12:00
Received by:	Armando Olmos (Pat-Chem)	4/30/19	12:25
Relinquished by:	Armando Olmos (Pat-Chem)	4/30/19	14:30
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	4/30/19	1430

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **AI** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

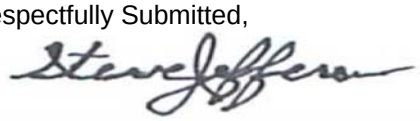
Attention: Ric Vardel
Report Date: 29-May-19 13:33
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0019-01) Collected: 01-May-19 By Golan Kfir						
pH	SM4500-H-B	AE90142	0.1	01-May-19 (JC)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE90143	0.05	01-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE90130	1.8	03-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE90130	1.8	03-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0019

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir Report Attention:	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	05/01/19	1000	AQ	1 pH, T.Res.Chlorine					7.12/19.5°C
1	1	1	AQ	1 Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (GPC)	05/01/19	12:35
Received by	Bernardo Olivas (Pat-Chem)	5/1/19	12:35
Relinquished by	Bernardo Olivas (Pat-Chem)	5/1/19	17:05
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	5/1/19	1705

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**Al** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-May-19 13:30
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0038-01) Collected: 01-May-19 By Carlos Alvarez						
Boron	EPA 200.7	AE90204	0.10	02-May-19 (AF)	0.51 mg/l	
MBAS	SM 5540C	AE90144	0.20	01-May-19 (JC)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AE90205	5	02-May-19 (WW)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AE91335	0.03	13-May-19 (LA)	0.19 mg/l	
Total Dissolved Solids	SM 2540C	AE90633	5	08-May-19 (EA)	1064 mg/l	
Chloride	EPA 300.0	AE90213	1.0	02-May-19 (AV)	287 mg/l	
Sulfate as SO4	EPA 300.0	AE90213	0.5	02-May-19 (AV)	227 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0038

Customer: IPC, Inc.		Project : (MCC) Monthly EFF	
Address: 9297 Research Drive	Sampled by:		P.O. #:
Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/01/19	1000	1	SO4, Cl, TDS	Grab	AQ	1/2	4°C	
			1	MBAS	Grab	AQ	Gal. P 500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PCL)	05/01/19	12:35
Received by	Armando Olmos (Pat-Chem)	5/1/19	12:35
Relinquished by	Armando Olmos (Pat-Chem)	5/1/19	17:05
Received by			
Relinquished by			
Received in lab by	Mario Saltiesteban (PCL)	5/1/19	1705 ~~1734~~

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **AI** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

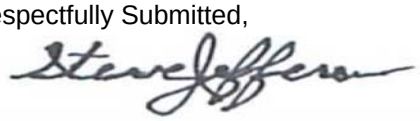
Attention: Ric Vardel
Report Date: 29-May-19 13:35
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0056-01) Collected: 02-May-19 By Golan Kfir						
pH	SM4500-H-B	AE90315	0.1	02-May-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE90317	0.05	03-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE90212	1.8	04-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE90212	1.8	04-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0056

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Ric Vardel / Golan Kfir Report Attention:	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Matrix	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/02/19	0910	1	AQ	pH, T.Res.Chlorine					
"	"	"	1	AQ	Total & Fecal Coliform					
Geotracker EDD:										
Logcode: IPCI Global ID: WDR100000359										

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ric Vardel	Carlos Rivera (Carc)	05/02/19	
Received by	Eli Cuevas	Pat	5/2/19	1340
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Mario Santesteban	(PCL)	5/2/19	1610

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-May-19 13:37
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0078-01) Collected: 03-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE90418	0.1	03-May-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE90419	0.05	04-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE90314	1.8	05-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE90314	1.8	05-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0078

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir Report Attention:	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	05/03/19	1035	AQ	1 pH, T.Res.Chlorine					7.43/18.2°C
			AQ	1 Total & Fecal Coliform					
1	1	1							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	05/03/19	12:05
Received by	ARMANDO OLMOS (PAT-CHEM)	5/3/19	12:05
Relinquished by	ARMANDO OLMOS (PAT-CHEM)	5/3/19	14:55
Received by			
Relinquished by			
Received in lab by	MARIO SANJUESTEBAN (PCL)	5/3/19	14:55

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-May-19 13:39
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0090-01) Collected: 04-May-19 By IPC						
pH	SM4500-H-B	AE90423	0.1	04-May-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE90422	0.05	04-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE90417	1.8	06-May-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE90417	1.8	06-May-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0090

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: J.T. Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5.4.19	9:14	AQ	1 pH, T.Res.Chlorine					
	5.4.19	9:14	AQ	1 Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		IPC JT McDonald	5.4.19	9:15
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	5/4/19	1005
Received by				
Relinquished by				
Received in lab by		Jordan Corkey	5/4/19	11:10

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 5°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

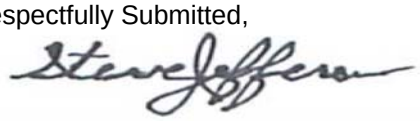
Attention: Ric Vardel
Report Date: 29-May-19 13:41
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0096-01) Collected: 05-May-19 By IPC						
pH	SM4500-H-B	AE90623	0.1	05-May-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE90624	0.05	06-May-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE90531	1.8	07-May-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE90531	1.8	07-May-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0096

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARZIKIAN Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles		Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5-5-19	09:00	1	AQ	pH, T.Res.Chlorine					
			1	AQ	Total & Fecal Coliform					
Geotracker EDD:										
Logcode: IPCI										
Global ID: WDR100000359										

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARZIKIAN (IPC)	5-5-19	09:00
Received by		Alex Walker Jr (AEC)	5-5-19	11:15
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	5-5-19	14:05

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall or deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or ~~~ compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance and/ a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has ~~~ filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning tests, information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with this agreement (1) a breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be purchased by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption, Litigation Expenses or attorneys fees (including without limitation, attorney's fees, court costs, and pre and post judgment interest), or any other expenses or costs incurred by client or any other party or any legal action against or involving PCL or any indemnified person in connection with this agreement or an order provided under this agreement, even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials by samples such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client, and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any cell bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal or any extension of any loan from any financial institution or other lender or the certifications to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before acceptance to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteriology 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for all in no shorts (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-May-19 13:43
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0112-01) Collected: 06-May-19 By IPC						
pH	SM4500-H-B	AE90718	0.1	06-May-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE90720	0.05	07-May-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE90636	1.8	08-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE90636	1.8	08-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0112

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Golan Kfir Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/6/19	10:50	AQ	1 pH, T.Res.Chlorine					
	"	"	AQ	1 Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	5/6/19	11:00
Received by Elo	Cuarlo PCL	5.6.19	1200
Relinquished by Elo	Cuarlo PCL	5.6.19	1330
Received by			
Relinquished by			
Received in lab by Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	5/6/19	1330

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

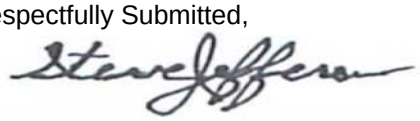
Attention: Ric Vardel
Report Date: 29-May-19 13:45
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0135-01) Collected: 07-May-19 By IPC						
pH	SM4500-H-B	AE90833	0.1	07-May-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE90834	0.05	08-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE90724	1.8	09-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE90724	1.8	09-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0135

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C. D.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/07/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (GSE)	05/07/19	
Received by	GK		5/7/19	1245
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIA SANTIESTEBAN (PCL)	5/7/19	1340

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

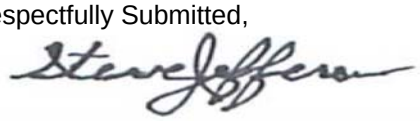
Attention: Ric Vardel
Report Date: 29-May-19 13:20
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0134-01) Collected: 07-May-19 By C.A.						
Ammonia as N	EPA 350.1	AE90830	0.10	08-May-19 (SGS)	0.12 mg/l	
Biochemical Oxygen Demand	SM 5210B	AE90839	2	13-May-19 (SGS)	2 mg/l	
Nitrate as N	EPA 353.2	AE90836	0.20	08-May-19 (LA)	2.63 mg/l	
Nitrite as N	EPA 353.2	AE90836	0.02	08-May-19 (LA)	0.04 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AE90911	0.10	10-May-19 (LA)	1.26 mg/l	
Total Suspended Solids	SM 2540D	AE90831	1	08-May-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19EO134

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/06/19		1	TSS	Grab	AQ	1L P	4°C	
	05/07/19	1145	1	NH4, TKN	Grab	AQ	500 P	HS	
	1	1	1	NO2, NO3	Grab	AQ	500 P	4°C	
	05/06/19		1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/07/19	
Received by			5/7/19	1245
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/7/19	1340

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

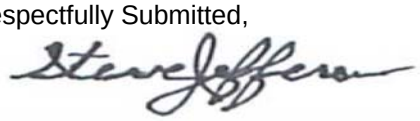
Attention: Ric Vardel
Report Date: 29-May-19 13:11
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19E0137-01) Collected: 07-May-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AE90839	2	13-May-19 (SGS)	385 mg/l	
Total Suspended Solids	SM 2540D	AE90831	1	08-May-19 (SGS)	159 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0137

Customer: IPC, Inc.		Project : **(MCC) Weekly INF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	05/06/19	[redacted]	1	TSS	[redacted] Composite	AQ	1L P	4°C	
			1	BOD	[redacted] Composite	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (SAC)	05/07/19	
Received by	[signature]	[signature]	5/7/19	1245
Relinquished by				
Received by				
Relinquished by				
Received in lab by	[signature]	MARIO SANTIESTEBAN (PCL)	5/7/19	1340

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

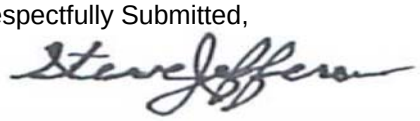
Attention: Ric Vardel
Report Date: 30-May-19 17:14
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0182-01) Collected: 08-May-19 By Golan Kfir						
pH	SM4500-H-B	AE90909	0.1	08-May-19 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE90910	0.05	09-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE90832	1.8	10-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE90832	1.8	10-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0182

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/8/19	10:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.81 / 8.3
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	5/8/19	10:50
Received by:	Chevy Mariner	5/8/19	11:45
Relinquished by:	Chevy Mariner PCC	5/8/19	12:38
Received by:			
Relinquished by:			
Received in lab by:	MARCO SANTIESTEBAN (PCC)	5/8/19	1238

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

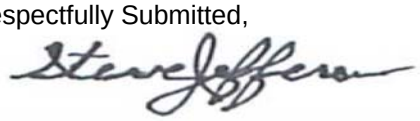
Attention: Ric Vardel
Report Date: 30-May-19 17:16
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0212-01) Collected: 09-May-19 By Golan Kfir						
pH	SM4500-H-B	AE90920	0.1	09-May-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91016	0.05	10-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE90908	1.8	11-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE90908	1.8	11-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0212

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir Report Attention:	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/09/19	1115	AQ	1 pH, T.Res.Chlorine					7.7 23.0 °C
			AQ	1 Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	05/09/19	11:20
Received by		Cindy Mapping SCL	5/9/19	11:20
Relinquished by		Cindy Mapping SCL	5/9/19	12:47
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/9/19	1247

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4 **HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

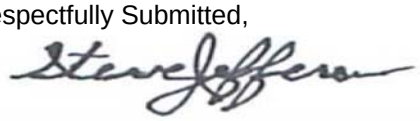
Attention: Ric Vardel
Report Date: 30-May-19 17:18
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0248-01) Collected: 10-May-19 By Golan Kfir						
pH	SM4500-H-B	AE91121	0.1	10-May-19 (JC)	8.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91122	0.05	11-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91015	1.8	12-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91015	1.8	12-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0248

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/10/19	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.0/21.0°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/10/19	1350
Received by		MARIO SANTIESTEBAN (PCL)	5/10/19	1350
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/10/19	1500

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-May-19 19:54
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0253-01) Collected: 11-May-19 By J.T. McDonald						
pH	SM4500-H-B	AE91125	0.1	11-May-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91130	0.05	11-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91120	1.8	13-May-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91120	1.8	13-May-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0253

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: J T McDonald Report Attention: ~~Ric Vardel / Golan Kfir~~	P.O. #: Phone #: ~~949-382-9067~~	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5.11.19	10:00	AQ	1 pH, T.Res.Chlorine					
	5.11.19	10:00	AQ	1 Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		IPC JT McD.	5.11.19	10:00
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	5/11/19	1005
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	5/11/19	11:10

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 7°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

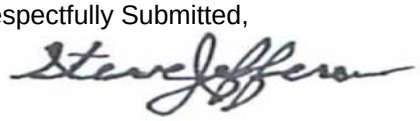
Attention: Ric Vardel
Report Date: 30-May-19 19:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0262-01) Collected: 12-May-19 By Victor Arikian						
pH	SM4500-H-B	AE91319	0.1	12-May-19 (PL)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91322	0.05	13-May-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91216	1.8	14-May-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91216	1.8	14-May-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0262

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5-12-2019	09:52	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	5-12-19	09:52
Received by	Alex Walker Jr. (PCL)	5-12-19	11:08
Relinquished by			
Received by			
Relinquished by	Alex Walker Jr.	5-12-19	1230
Received in lab by	PL	5.12.19	1230

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

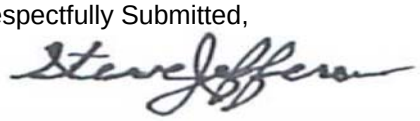
Attention: Ric Vardel
Report Date: 30-May-19 20:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0269-01) Collected: 13-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE91424	0.1	13-May-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91426	0.05	14-May-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91332	1.8	15-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91332	1.8	15-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0269

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/13/19	0955	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (Cope)	05/13/19	
Received by	Eb	Carlos (PCL)	5/13/19	1200
Relinquished by	Eb	Carlos (PCL)	5/13/19	1460
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/13/19	1400

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

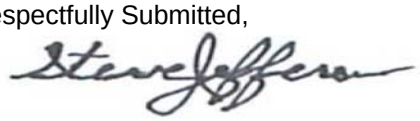
Attention: Ric Vardel
Report Date: 30-May-19 20:05
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0285-01) Collected: 14-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE91527	0.1	14-May-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91528	0.05	15-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91430	1.8	18-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91430	1.8	18-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0285

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Dela	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/14/19	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	05/14/19	
Received by		" "	5/14/19	1200
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/14/19	1315

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

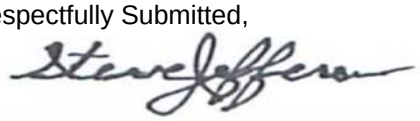
Attention: Ric Vardel
Report Date: 30-May-19 20:08
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0345-01) Collected: 15-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE91619	0.1	15-May-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91620	0.05	16-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91526	1.8	17-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91526	1.8	17-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1460345

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/15/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/15/19	
Received by	Ele		5/15/19	1300
Relinquished by				
Received by				
Relinquished by				
Received in lab by		PCL	5/15/19	13--

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

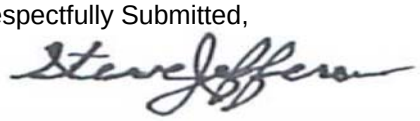
Attention: Ric Vardel
Report Date: 29-May-19 13:27
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0342-01) Collected: 15-May-19 By C.A.						
Ammonia as N	EPA 350.1	AE91705	0.10	17-May-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AE91621	2	21-May-19 (EA)	4 mg/l	
Nitrate as N	EPA 353.2	AE91618	0.20	16-May-19 (LA)	2.82 mg/l	
Nitrite as N	EPA 353.2	AE91618	0.02	16-May-19 (LA)	0.04 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AE91616	0.10	17-May-19 (LA)	1.10 mg/l	
Total Suspended Solids	SM 2540D	AE91613	1	16-May-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0342

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/14/19	1040	1	TSS	~~Grab~~ Grab	AQ	1L P	4°C	
	05/15/19		1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	05/14/19		1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/15/19	
Received by			5/15/19	1300
Relinquished by				
Received by				
Relinquished by				
Received in lab by			5.15.19	1300

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

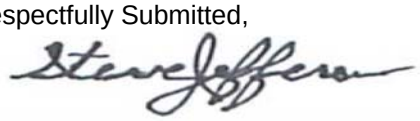
Attention: Ric Vardel
Report Date: 29-May-19 13:13
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19E0343-01) Collected: 15-May-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AE91621	2	21-May-19 (EA)	299 mg/l	
Total Suspended Solids	SM 2540D	AE91613	1	16-May-19 (SGS)	191 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0343

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: ~~949-262-9067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
INF	05/14/19	0000	1	TSS	Composite ~~Grab~~	AQ	1L P	4°C	
"	"	"	1	BOD	Composite ~~Grab~~	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI ~~Global ID: WDR100000359~~									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	05/15/19	
Received by	[illegible]	[illegible]	5.15.19	1300
Relinquished by				
Received by				
Relinquished by				
Received in lab by		PL	5.15.19	1300

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-May-19 20:12
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0368-01) Collected: 16-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE91709	0.1	16-May-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91710	0.05	17-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91603	1.8	18-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91603	1.8	18-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0369

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir Report Attention:	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/16/19	1220	1	AQ pH, T.Res.Chlorine					
"	"	"	1	AQ Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPC)	05/16/19	
Received by	[illegible] (PCL)	5/16/19	1230
Relinquished by	[illegible]	5-16-19	1300
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	5/16/19	1300

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

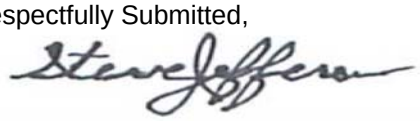
Attention: Ric Vardel
Report Date: 30-May-19 20:16
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0396-01) Collected: 17-May-19 By GK						
pH	SM4500-H-B	AE91819	0.1	17-May-19 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91820	0.05	18-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91708	1.8	19-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91708	1.8	19-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0396

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	5/17/19	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0 / 19.6°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	5/17/19	11:10
Received by	MARIO SANTIESTEBAN (PCL)	5/17/19	1215
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	5/17/19	1415

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-May-19 20:19
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0414-01) Collected: 18-May-19 By J.T. McDonald						
pH	SM4500-H-B	AE91823	0.1	18-May-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91824	0.05	18-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91818	1.8	20-May-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91818	1.8	20-May-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0414

Customer: IPC, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project : **(MCC) Daily EFF**
Sampled by: J.T McDonald
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5-18-19	8:52	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	5.18.19	8:50	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		JT McDonald IPC	5-18-19	9:00
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	5/18/19	0935
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	5/19/19	11:15

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

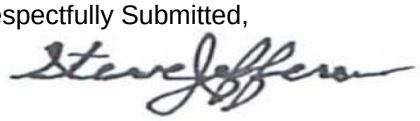
Attention: Ric Vardel
Report Date: 30-May-19 20:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0421-01) Collected: 19-May-19 By J.T. McDonald						
pH	SM4500-H-B	AE91927	0.1	19-May-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE91926	0.05	19-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE91924	1.8	21-May-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE91924	1.8	21-May-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0421

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5-19-19	09:33	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	5-19-19	09:33
Received by	Alex Walker Jr (PCL)	5-19-19	10:55
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	5-19-19	1300

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

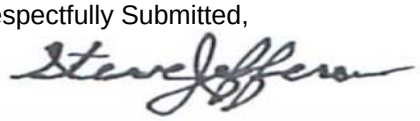
Attention: Ric Vardel
Report Date: 30-May-19 20:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0427-01) Collected: 20-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE92119	0.1	20-May-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE92120	0.05	21-May-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92029	1.8	22-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92029	1.8	22-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0427

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir Report Attention:	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/20/19	1050	AQ	1 pH, T.Res.Chlorine					
			AQ	1 Total & Fecal Coliform					
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/20/19	
Received by	EB		5.20.19	1230
Relinquished by	EB		5-20-19	1400
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (ACL)	5/20/19	1700

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **AI** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

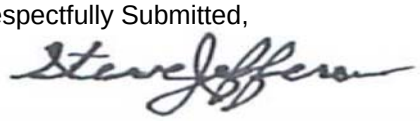
Attention: Ric Vardel
Report Date: 31-May-19 14:04
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0469-01) Collected: 21-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE92229	0.1	21-May-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE92230	0.05	22-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92130	1.8	23-May-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92130	1.8	23-May-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/31/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0469

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/21/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ZPE)	05/21/19	
Received by	EB	Evan Bolt PCL	5.21.19	1145
Relinquished by	EB	Evan Bolt PCL	5.21.19	1410
Received by				
Relinquished by				
Received in lab by		MARIO SANTESTEBAN (PCL)	5/21/19	1410

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-May-19 14:06
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0498-01) Collected: 22-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE92239	0.1	22-May-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE92240	0.05	22-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92221	1.8	24-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92221	1.8	24-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 5/31/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0498

Customer: IPC, Inc.

Project: (MCC) Daily EFF

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/22/19	0940	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6 / 21.8 °C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GSC)	05/22/19	12:10
Received by		Jason Mariner e-cc	5/22/19	12:10
Relinquished by		Jason Mariner pa	5/22	1620
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/22/19	1620

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

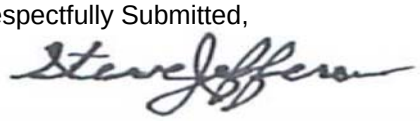
Attention: Ric Vardel
Report Date: 30-May-19 17:10
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0521-01) Collected: 22-May-19 By C.A.						
Ammonia as N	EPA 350.1	AE92306	0.10	23-May-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AE92311	2	28-May-19 (EA)	<2 mg/l	
Nitrate as N	EPA 353.2	AE92308	0.20	23-May-19 (LA)	4.18 mg/l	
Nitrite as N	EPA 353.2	AE92308	0.02	23-May-19 (LA)	0.06 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AE92829	0.10	29-May-19 (LA)	0.77 mg/l	
Total Suspended Solids	SM 2540D	AE92312	1	23-May-19 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0521

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/22/19	0940	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	05/21/19	0000	1	BOD	[redacted] Composite	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/22/19	12:00
Received by		Cinny Martinez PCL	5/22/19	12:00
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/23/19	1620

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

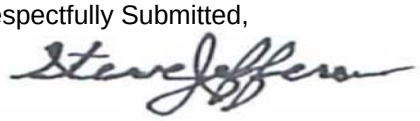
Attention: Ric Vardel
Report Date: 29-May-19 13:15
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19E0511-01) Collected: 22-May-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AE92311	2	28-May-19 (EA)	340 mg/l	
Total Suspended Solids	SM 2540D	AE92312	1	23-May-19 (EA)	212 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/29/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0511

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	05/21/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
1	1	1	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	05/22/19	12:10
Received by		Cindy Mortimer PCL	5/22	12:10
Relinquished by		Cindy Mortimer PCL	5/22	16:20
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/22/19	1620

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

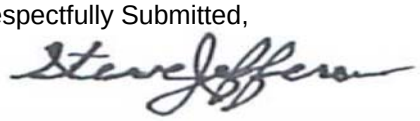
Attention: Ric Vardel
Report Date: 31-May-19 14:09
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0533-01) Collected: 23-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE92405	0.1	23-May-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE92406	0.05	24-May-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92309	1.8	25-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92309	1.8	25-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/31/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0533

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/23/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.41 / 17.6°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3PL)	05/23/19	12:00
Received by		Armando Alvarez (Patchem)	5/23/19	12:00
Relinquished by		Armando Alvarez (Patchem)	5/23/19	13:10
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/23/19	1310

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

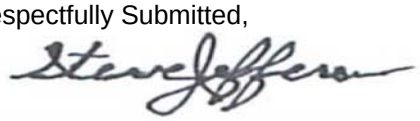
Attention: Ric Vardel
Report Date: 31-May-19 14:12
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0562-01) Collected: 24-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE92506	0.1	24-May-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE92507	0.05	25-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92410	1.8	26-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92410	1.8	26-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/31/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0533

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/23/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.41 / 17.6°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3PL)	05/23/19	12:00
Received by		Armando Alvarez (Patchem)	5/23/19	12:00
Relinquished by		Armando Alvarez (Patchem)	5/23/19	13:10
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/23/19	1310

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

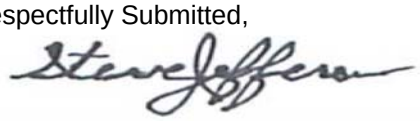
Attention: Ric Vardel
Report Date: 31-May-19 14:14
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0579-01) Collected: 25-May-19 By J.T. McDonald						
pH	SM4500-H-B	AE92514	0.1	25-May-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE92515	0.05	25-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92504	1.8	27-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92504	1.8	27-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/31/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0579

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: J. T McDonald	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5.25	9:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	5-25	9:10	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	J.T McDonald IPC	5-25	9:10
Received by			
Relinquished by	Jose L Gomez	5/25/19	1035
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	5/25/19	1230

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

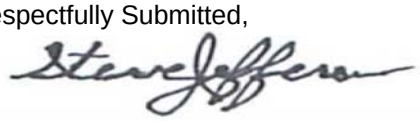
Attention: Ric Vardel
Report Date: 31-May-19 14:17
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0584-01) Collected: 26-May-19 By J.T. McDonald						
pH	SM4500-H-B	AE92716	0.1	26-May-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE92717	0.05	27-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92617	1.8	28-May-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92617	1.8	28-May-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/31/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0584

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: J.T. Mc Donald Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5.24	9:00	AQ	1 pH, T.Res.Chlorine					
	5.24	9:00	AQ	1 Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	J.T. Mc Donald IPC	5.24	9:05
Received by	Alex Walker Jr	5/24/19	1022
Relinquished by	Alex Walker Jr	5/24/19	1150
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	5/24/19	1150

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-May-19 14:20
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0587-01) Collected: 27-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE92818	0.1	27-May-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE92819	0.05	28-May-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92715	1.8	29-May-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92715	1.8	29-May-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 5/31/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0587

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir Report Attention:	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Matrix	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/27/19	0930	1	AQ	pH, T.Res.Chlorine					
"	"	"	1	AQ	Total & Fecal Coliform					
Geotracker EDD:										
Logcode: IPCI Global ID: WDR100000359										

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/27/19	1005
Received by		Alex Walker Jr (PCL)	5/27/19	1005
Relinquished by				
Received by				
Relinquished by		Alex Walker Jr	5/27/19	12:30
Received in lab by		Alex Walker Jr	5/27/19	1237

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or her heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, use of, or loss of use of property and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be purchased by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profits or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and for pre-or post-judgment interest), or any other expenses to client incurred by client or any other party in any civil action against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous Material received by PCL from client or at client's request shall remain the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or its PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain hazardous substances. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any of bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability to client's use of any report or data, information, or reports furnished to PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rely upon, in connection with or support of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities existing, anticipated, renewed, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours or allow PCL to meet holding times without applying a rush surcharge. All short holding times, 3-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) must be received and delivered the same day in order to guarantee holding times are met - after hours, late delivery, transit company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling may be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-May-19 14:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0595-01) Collected: 28-May-19 By Carlos Alvarez						
pH	SM4500-H-B	AE92925	0.1	28-May-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE92927	0.05	29-May-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92825	1.8	30-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92825	1.8	30-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 5/31/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0595

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/28/19	0900	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Carl)	05/28/19	
Received by	EG	Carl	5/28/19	1130
Relinquished by	EG	Carl	5/28/19	1330
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	5/29/19	1330

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

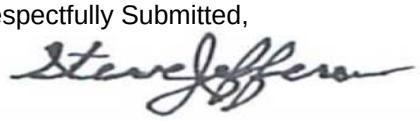
Attention: Ric Vardel
Report Date: 31-May-19 14:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0630-01) Collected: 29-May-19 By Golan Kfir						
pH	SM4500-H-B	AE93013	0.1	29-May-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE93014	0.05	30-May-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE92934	1.8	31-May-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE92934	1.8	31-May-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 5/31/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0630

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	5/29/19	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42 / 20.8°C
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by OK	Golan IPC	5/29/19	11:30
Received by	Hernando Olmos (Pat-Chem)	5/29/19	12:05
Relinquished by	Hernando Olmos (Pat-Chem)	5/29/19	14:10
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	5/29/19	1410

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

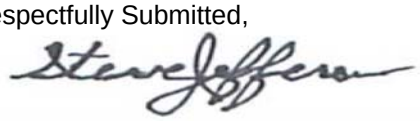
Attention: Ric Vardel
Report Date: 04-Jun-19 16:08
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0644-01) Collected: 29-May-19 By C.A.						
Ammonia as N	EPA 350.1	AE93007	0.10	30-May-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AE93018	2	04-Jun-19 (EA)	2 mg/l	
Nitrate as N	EPA 353.2	AE92932	0.20	29-May-19 (LA)	2.47 mg/l	
Nitrite as N	EPA 353.2	AE92932	0.02	29-May-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AE93010	0.10	31-May-19 (LA)	1.18 mg/l	
Total Suspended Solids	SM 2540D	AE93019	1	30-May-19 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0644

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/29/18	11:15	1	TSS	Grab	AQ	1L P	4°C	
	〃	〃	1	NH4, TKN	Grab	AQ	500 P	HS	
	〃	〃	1	NO2, NO3	Grab	AQ	500 P	4°C	
	5/28/19	0:00	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	5/29/19	11:30
Received by:	Armando Olmos (Pat-Chem)	5/29/19	12:05
Relinquished by:	Armando Olmos (Pat-Chem)	5/29/19	14:10
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	5/29/19	1410

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

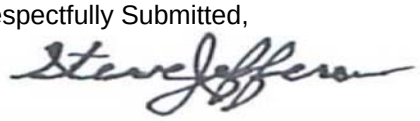
Attention: Ric Vardel
Report Date: 04-Jun-19 16:05
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19E0642-01) Collected: 29-May-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AE93018	2	04-Jun-19 (EA)	601 mg/l	
Total Suspended Solids	SM 2540D	AE93019	1	30-May-19 (EA)	312 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0642

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	5/28/19	0:00	1	TSS	~~Grab~~ Comp	AQ	1L P	4°C	
	"	"	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	5/29/19	11:30
Received by: [illegible]	[illegible]	5/29/19	17:05
Relinquished by: [illegible]	[illegible] (Pat-Chem)	5/29/19	14:10
Received by:			
Relinquished by:			
Received in lab by: [illegible]	MARIO SANTIESTEBAN (PCL)	5/29/19	1410

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab Comp	AQ - Water SO -Soil / Sludge OT - Other	P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-Jun-19 15:19
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0654-01) Collected: 30-May-19 By Golan Kfir						
pH	SM4500-H-B	AE93107	0.1	31-May-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AE93108	0.05	31-May-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE93012	1.8	03-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE93012	1.8	03-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0654

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	05/30/19	0910	1	AQ pH, T.Res.Chlorine					7.39 / 19.4°C
			1	AQ Total & Fecal Coliform					
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SFC)	05/30/19	12:29
Received by	Armando Olmos (Pat-Chem)	5/30/19	12:29
Relinquished by	Armando Olmos (Pat-Chem)	5/30/19	13:35
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	5/30/19	1355

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

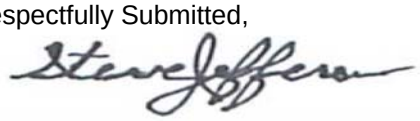
Attention: Ric Vardel
Report Date: 03-Jun-19 09:52
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19E0675-01) Collected: 31-May-19 By Golan Kfir						
pH	SM4500-H-B	AF90125	0.1	31-May-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF90126	0.05	01-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AE93116	1.8	02-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AE93116	1.8	02-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0675

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir Report Attention:	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/31/19	0930	1	AQ pH, T.Res.Chlorine					7.29/17.4°C
	"	"	1	AQ Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/31/19	13:45
Received by		Armando Olmos (PatChem)	5/31/19	13:47
Relinquished by		Armando Olmos (PATCHEM)	5/31/19	15:15
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN	5/31/19	1515

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

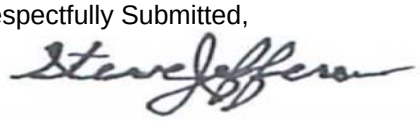
Attention: Ric Vardel
Report Date: 03-Jun-19 15:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0004-01) Collected: 01-Jun-19 By Ric Vardel						
pH	SM4500-H-B	AF90130	0.1	01-Jun-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF90213	0.05	02-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF90124	1.8	03-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF90124	1.8	03-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/3/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0064

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	6/1	1000	1	AQ pH, T.Res.Chlorine					7.45/13.3°
11	11	1000	1	AQ Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric Vardel (IPC)	6/1	1015
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	6-1-19	1025
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	6/1/19	11:30

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 12°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

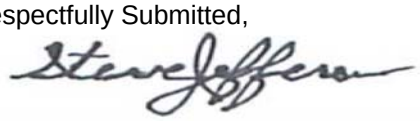
Attention: Ric Vardel
Report Date: 10-Jun-19 13:45
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0009-01) Collected: 02-Jun-19 By Victor Arikian						
pH	SM4500-H-B	AF90217	0.1	02-Jun-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF90218	0.05	02-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF90216	1.8	06-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF90216	1.8	06-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/10/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F000899

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	6/2	09:38	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48/13.3°
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	6/2	09:39
Received by		Jordan Corkery (PatChem)	6/2	12:15
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	6/2/19	13:50

Sample Received Checklist

Temperature upon receipt: 10°
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

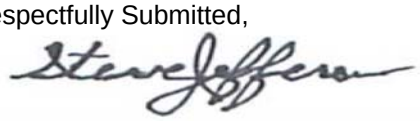
Attention: Ric Vardel
Report Date: 10-Jun-19 13:48
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0018-01) Collected: 03-Jun-19 By Victor Arikian						
pH	SM4500-H-B	AF90419	0.1	03-Jun-19 (PL)	6.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF90421	0.05	04-Jun-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF90328	1.8	05-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF90328	1.8	05-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/10/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0018

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. Dhanens	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	06/03/19	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.29/18.7°
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Dhanens	Carlos Alvarez (IPC)	06/03/19	12:40
Received by		Armando Arias (PCL)	6/3/19	12:40
Relinquished by		Armando Arias (PCL)	6/3/19	16:30
Received by				
Relinquished by				
Received in lab by	Mars Santiesteban	MARS SANTIESTEBAN (PCL)	6/3/19	1630

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

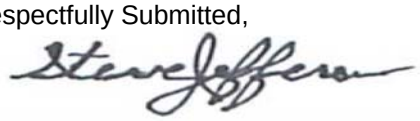
Attention: Ric Vardel
Report Date: 10-Jun-19 13:51
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0075-01) Collected: 04-Jun-19 By Victor Arikian						
pH	SM4500-H-B	AF90531	0.1	04-Jun-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF90532	0.05	05-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF90430	1.8	06-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF90430	1.8	06-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/10/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0075

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Mike Jahromi	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	06/04/19	11:10 AM	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3 / 20.4°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mike Jahromi	06/04/19	17:15
Received by	Armenuhi Sarkissian (Pat-Chem)	6/4/19	17:15
Relinquished by	Armenuhi Sarkissian (Pat-Chem)	6/4/19	16:15
Received by			
Relinquished by			
Received in lab by	MARIO SAN JUESTEBAN (PCL)	6/4/19	1615

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	**AQ** - Water	**P** - Plastic
Comp	**SO** -Soil / Sludge	**G** - Amber Glass
	OT - Other	**VOA** - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

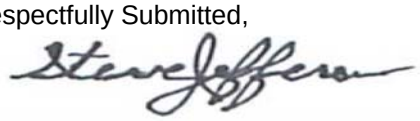
Attention: Ric Vardel
Report Date: 10-Jun-19 13:57
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0115-01) Collected: 05-Jun-19 By C.A.						
pH	SM4500-H-B	AF90543	0.1	05-Jun-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF90544	0.05	05-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF90530	1.8	07-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF90530	1.8	07-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/10/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0115

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/05/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	06/05/19	
Received by	EG	Carlos MV	6/5/19	1400
Relinquished by	EG	Carlos FedEx	6/5/19	1800
Received by				
Relinquished by				
Received in lab by			6/5/19	15:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO - Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jul-19 13:18
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0114-01) Collected: 05-Jun-19 By Carlos Alvarez						
Boron	EPA 200.7	AF90607	0.10	10-Jun-19 (AF)	0.44 mg/l	
MBAS	SM 5540C	AF90545	0.20	05-Jun-19 (JC)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AF90707	5	07-Jun-19 (AV)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AF92720	0.06	28-Jun-19 (LA)	3.04 mg/l	
Total Dissolved Solids	SM 2540C	AF90613	5	07-Jun-19 (EA)	992 mg/l	
Chloride	EPA 300.0	AF91230	1.0	13-Jun-19 (AV)	252 mg/l	
Sulfate as SO4	EPA 300.0	AF91230	0.5	13-Jun-19 (AV)	195 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0114

Customer: IPC, Inc.
Project: (MCC) Monthly EFF
Address: 9297 Research Drive
Sampled by: C. [illegible]
P.O. #:
Irvine CA 92618
Report Attention: Ric Vardel / Golan Kfir
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	06/05/19	1030	1	SO4, Cl, TDS	Grab	AQ	1/2	4°C	
			1	MBAS	Grab	AQ	Gal. P 500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. [illegible]	Carlos Alvarez (IPC)	06/05/19	
Received by	EB [illegible]	PAT 6/5/19		1400
Relinquished by	EB [illegible]	PAT 6/5/19		1500
Received by				
Relinquished by				
Received in lab by	[illegible]		6/5/19	15:00

Sample Received Checklist
Temperature upon receipt: 4
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other
Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

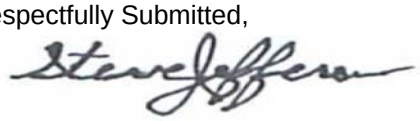
Attention: Ric Vardel
Report Date: 20-Jun-19 18:07
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0118-01) Collected: 05-Jun-19 By C.A.						
Ammonia as N	EPA 350.1	AF90708	0.10	07-Jun-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AF90612	2	11-Jun-19 (EA)	<2 mg/l	
Nitrate as N	EPA 353.2	AF90610	0.20	06-Jun-19 (LA)	3.03 mg/l	
Nitrite as N	EPA 353.2	AF90610	0.02	06-Jun-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AF91028	0.20	18-Jun-19 (LA)	1.37 mg/l	
Total Suspended Solids	SM 2540D	AF90608	1	06-Jun-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0118

Customer:	IPC, Inc.	**Project :**	(MCC) Weekly EFF
Address:	9297 Research Drive	**Sampled by:**	
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/05/19	1030	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	06/04	0000	1	BOD	Comp	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos	Carlos Alvarez (IPC)	06/05/19	
Received by	EG	[illegible]	6/5/19	1400
Relinquished by	EG	[illegible]	6/5/19	1500
Received by				
Relinquished by				
Received in lab by			6/5/19	15:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P)- Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

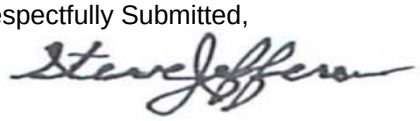
Attention: Ric Vardel
Report Date: 11-Jun-19 14:02
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19F0116-01) Collected: 05-Jun-19 By C. A.						
Biochemical Oxygen Demand	SM 5210B	AF90612	2	11-Jun-19 (EA)	349 mg/l	
Total Suspended Solids	SM 2540D	AF90608	1	06-Jun-19 (SGS)	263 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0116

Customer: IPC, Inc.		Project : **(MCC) Weekly INF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
INF	06/04/19	0000	1	TSS	Comp	AQ	1L P	4°C	
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (3Pac)	06/05/19	
Received by	EG	Grant (3Pac)	6/5/19	1400
Relinquished by	EG	EG	6/5/19	1500
Received by				
Relinquished by				
Received in lab by			6/5/19	15:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) -Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

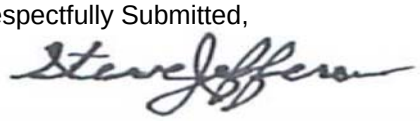
Attention: Ric Vardel
Report Date: 10-Jun-19 13:59
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0149-01) Collected: 06-Jun-19 By C.A.						
pH	SM4500-H-B	AF90710	0.1	06-Jun-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF90711	0.05	07-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF90615	1.8	08-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF90615	1.8	08-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/10/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0149

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/06/19	1145	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by				
Received by		Carlos Alvarez (PCL)	06/06/19	
			PM 6.6.19	1200
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Daisy Parada	6/6/19	12:00

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

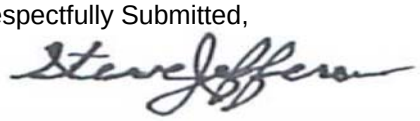
Attention: Ric Vardel
Report Date: 10-Jun-19 14:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0178-01) Collected: 07-Jun-19 By Golan Kfir						
pH	SM4500-H-B	AF90815	0.1	07-Jun-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF90814	0.05	08-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF90709	1.8	09-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF90709	1.8	09-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/10/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0178

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/7/19	10:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	6/7/19	11:00
Received by	Jairo Menjivar	6/7/19	12:20PM
Relinquished by	Jaird Menjivar	6/7/19	3:00PM
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)		1530

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

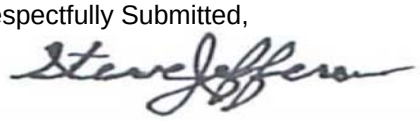
Attention: Ric Vardel
Report Date: 11-Jun-19 12:30
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0184-01) Collected: 08-Jun-19 By J.T. McDonald						
pH	SM4500-H-B	AF90918	0.1	08-Jun-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF90917	0.05	09-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF90813	1.8	11-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF90813	1.8	11-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/11/2019
Laboratory Director

-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0184

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: **(MCC) Daily EFF**
Sampled by: JT MCDONALD
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9:15 → 9:15	6/8 → 6/8	AQ 1	pH, T.Res.Chlorine					
			AQ 1	Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: J.T McDonald	IPC.	6.8	9:30
Received by: EC	[illegible]	6/8/19	1000
Relinquished by: EC	[illegible]	6/8/19	1130
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	6/8/19	1130

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4c
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

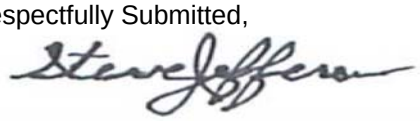
Attention: Ric Vardel
Report Date: 11-Jun-19 12:41
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0192-01) Collected: 09-Jun-19 By Victor Arikian						
pH	SM4500-H-B	AF91022	0.1	09-Jun-19 (PL)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91023	0.05	10-Jun-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF90916	1.8	11-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF90916	1.8	11-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0192

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARFIKIAN Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/9/2019	09:51	AQ	1 pH, T.Res.Chlorine					
"	"	"	AQ	1 Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARFIKIAN (IPC)	6/9/2019	09:52
Received by	Alex Walker (PCL)	6/9/19	1238
Relinquished by	Alex Walker Jr	6/9/19	1500
Received by			
Relinquished by			
Received in lab by	Jaime Parada	6/9/19	15:10

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

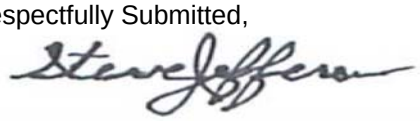
Attention: Ric Vardel
Report Date: 12-Jun-19 12:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0208-01) Collected: 10-Jun-19 By CA						
pH	SM4500-H-B	AF91117	0.1	10-Jun-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91119	0.05	11-Jun-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91030	1.8	12-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91030	1.8	12-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/12/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0208

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. Ha	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/10/19	0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ha	Carlos Arana (IPC)	06/10/19	
Received by	EL	Fed Ex	6/10/19	1230
Relinquished by	EL	Fed Ex	6/10/19	1350
Received by				
Relinquished by				
Received in lab by		Dario Parada	6/10/19	13:50

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Jun-19 16:16
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0245-01) Collected: 11-Jun-19 By GK						
pH	SM4500-H-B	AF91231	0.1	11-Jun-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91232	0.05	12-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91126	1.8	13-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91126	1.8	13-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960245

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/11/19	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name	(Company)	Date	Time
Relinquished by GK	Golan	IPC	6/11/19	11:45
Received by	Jairo	Menjivar	6-11-19	12:30
Relinquished by	Jairo	Menjivar	6-11-19	3:00
Received by				
Relinquished by				
Received in lab by			6/11/19	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

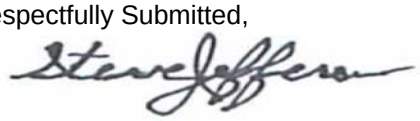
Attention: Ric Vardel
Report Date: 25-Jun-19 15:45
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19F0291-01) Collected: 11-Jun-19 By GK						
Biochemical Oxygen Demand	SM 5210B	AF91316	2	18-Jun-19 (EA)	409 mg/l	
Total Suspended Solids	SM 2540D	AF91315	1	13-Jun-19 (EA)	326 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0291

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	6/11/19	0:00	1	TSS	~~Grab~~ Comp	AQ	1L P	4°C	
	"	"	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	6/12/19	10:30
Received by:	Jairo Maywar	6/12/19	12:30PM
Relinquished by:	Jairo Maywar	6/12/19	3:00PM
Received by:			
Relinquished by:			
Received in lab by:	Jairo Parada	6/13/19	15:00

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Jun-19 16:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0289-01) Collected: 12-Jun-19 By GK						
pH	SM4500-H-B	AF91309	0.1	12-Jun-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91308	0.05	13-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91233	1.8	14-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91233	1.8	14-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0289

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/12/19	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name	(Company)	Date	Time
Relinquished by GK	Golan	IPC	6/12/19	10:30
Received by	Jairo	Menjivar	6/12/19	12:30PM
Relinquished by	Jairo	Menjivar	6/12/19	5:00PM
Received by				
Relinquished by				
Received in lab by	Jairo	Parada	6/12/19	15:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jun-19 15:28
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0288-01) Collected: 12-Jun-19 By GK						
Ammonia as N	EPA 350.1	AF91408	0.10	14-Jun-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AF91316	2	18-Jun-19 (EA)	3 mg/l	
Nitrate as N	EPA 353.2	AF91225	0.20	12-Jun-19 (LA)	2.63 mg/l	
Nitrite as N	EPA 353.2	AF91225	0.02	12-Jun-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AF91734	0.10	18-Jun-19 (LA)	0.92 mg/l	
Total Suspended Solids	SM 2540D	AF91315	1	13-Jun-19 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 6/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0288

Customer: IPC, Inc.		**Project:** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/12/19	10:10	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	6/11/19	0:00	1	BOD	Comp.	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	6/12/19	10:30
Received by	Jairo Menjivar	6/12/19	12:30pm
Relinquished by	Jairo Menjivar	6/12/19	3:00pm
Received by			
Relinquished by			
Received in lab by	Jaird Parada	6/12/19	15:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

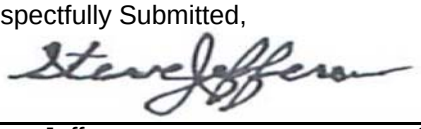
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
Silver	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	<0.2 ug/l	
Arsenic	EPA 200.8	AF91925	0.5	20-Jun-19 (AF)	1.5 ug/l	
Beryllium	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	<0.2 ug/l	
Cadmium	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	7.0 ug/l	
Copper	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	1.3 ug/l	
Mercury	EPA 245.1	AF92005	0.20	20-Jun-19 (AF)	<0.20 ug/l	
Nickel	EPA 200.8	AF91925	0.5	20-Jun-19 (AF)	4.4 ug/l	
Lead	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AF91925	1.0	20-Jun-19 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AF91925	2.0	20-Jun-19 (AF)	6.7 ug/l	
Thallium	EPA 200.8	AF91925	1.0	20-Jun-19 (AF)	<1.0 ug/l	
Zinc	EPA 200.8	AF91925	1.0	20-Jun-19 (AF)	16 ug/l	
Aldrin	EPA 608	AF91409	0.005	22-Aug-19 (SJ)	<0.005 ug/l	
Alpha-BHC	EPA 608	AF91409	0.005	22-Aug-19 (SJ)	<0.005 ug/l	
Beta-BHC	EPA 608	AF91409	0.005	22-Aug-19 (SJ)	<0.005 ug/l	
Gamma-BHC(Lindane)	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Delta-BHC	EPA 608	AF91409	0.005	22-Aug-19 (SJ)	<0.005 ug/l	
4,4´-DDT	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
4,4´-DDE	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
4,4´-DDD	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Dieldrin	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endosulfan I	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endosulfan II	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endosulfan Sulfate	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endrin	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endrin Aldehyde	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Heptachlor	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Alpha-Chlordane	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	

Respectfully Submitted,



Steve Jefferson 8/27/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
Gamma-Chlordane	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Aroclor 1242	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1254	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1221	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1232	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1248	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1260	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1016	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Chlordane	EPA 608	AF91409	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Toxaphene	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Endrin Ketone	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 608	AF91409	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 608*	*AF91409*		*22-Aug-19 (SJ)*	*63.0 % (25.7-107)*	
Surrogate: Decachlorobiphenyl	*EPA 608*	*AF91409*		*22-Aug-19 (SJ)*	*104 % (9.67-144)*	
Acetone	EPA 624	AF91939	5.0	02-Jul-19 (SJ)	<5.0 ug/l	
Acrolein	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	
Acrylonitrile	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	
Tert-amyl methyl ether	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Benzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Bromodichloromethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	41.1 ug/l	
Bromoform	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	2.1 ug/l	
Bromomethane	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	
2-Butanone (MEK)	EPA 624	AF91939	5.0	02-Jul-19 (SJ)	<5.0 ug/l	
Tert-butyl alcohol	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Carbon tetrachloride	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Chlorobenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Chloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
2-Chloroethylvinyl ether	EPA 624	AF91939	5.0	02-Jul-19 (SJ)	<5.0 ug/l	

Respectfully Submitted,



Steve Jefferson 8/27/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

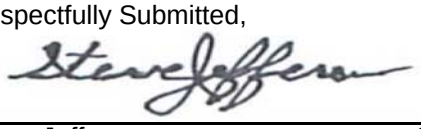
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
Chloroform	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	40.6 ug/l	
Chloromethane	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	
Dibromochloromethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	17.7 ug/l	
1,2-Dibromoethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,2-Dichlorobenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,4-Dichlorobenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,3-Dichlorobenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,2-Dichloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1-Dichloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1-Dichloroethene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,2-Dichloropropane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
trans-1,3-Dichloropropene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
cis-1,3-Dichloropropene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,2-Dichloropropylene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Di-isopropyl ether	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Ethylbenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Ethyl tert-butyl ether	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Methyl tert-butyl ether	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Methylene chloride	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
t-1,2-Dichloroethene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1,2,2-Tetrachloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Tetrachloroethene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Toluene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1,1-Trichloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1,2-Trichloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Trichloroethene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Vinyl chloride	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
o-Xylene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
m,p-Xylene	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	

Respectfully Submitted,



Steve Jefferson 8/27/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
Surrogate: Dibromofluoromethane	*EPA 624*	*AF91939*		*02-Jul-19 (SJ)*	*116 % (80-120)*	
Surrogate: Toluene-d8	*EPA 624*	*AF91939*		*02-Jul-19 (SJ)*	*105 % (80-120)*	
Surrogate: Bromofluorobenzene	*EPA 624*	*AF91939*		*02-Jul-19 (SJ)*	*102 % (80-120)*	
Acenaphthene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Acenaphthylene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Anthracene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzidine	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Benzo (a) anthracene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzo (a) pyrene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzo (b) fluoranthene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzo (g,h,i) perylene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzo (k) fluoranthene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzyl Butyl Phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
4-Bromophenyl phenyl ether	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
4-Chloro-3-methylphenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Bis(2-chloroethoxy)methane	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Bis(2-chloroisopropyl)ether	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
2-Chloronaphthalene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
2-Chlorophenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
4-Chlorophenyl phenyl ether	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Bis(2-choroethyl)ether	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Chrysene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Dibenz (a,h) anthracene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Di-n-butyl phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,3-Dichlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,2-Dichlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,4-Dichlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
3,3´-Dichlorobenzidine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
2,4-Dichlorophenol	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Diethyl phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	

Respectfully Submitted,



Steve Jefferson 8/27/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
2,4-Dimethylphenol	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Dimethyl phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
4,6-Dinitro-2-methylphenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
2,4-Dinitrophenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
2,6-Dinitrotoluene	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
2,4-Dinitrotoluene	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Di-n-octyl phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,2-Diphenylhydrazine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Fluoranthene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Fluorene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Hexachlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Hexachlorobutadiene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Hexachlorocyclopentadiene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Hexachloroethane	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Indeno (1,2,3-cd) pyrene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Isophorone	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Naphthalene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Nitrobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
4-Nitrophenol	EPA 625	AF91223	10.0	03-Jul-19 (SJ)	<10.0 ug/l	
2-Nitrophenol	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	4.9 ug/l	
N-Nitrosodimethylamine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
N-Nitrosodiphenylamine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
N-Nitrosodi-n-propylamine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Pentachlorophenol	EPA 625	AF91223	10.0	03-Jul-19 (SJ)	<10.0 ug/l	
Phenanthrene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Phenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Pyrene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,2,4-Trichlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	

Respectfully Submitted,

Steve Jefferson 8/27/2019
Laboratory Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
2,4,6-Trichlorophenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Surrogate: 2-Fluorophenol	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*26.1 % (13.6-74)*	
Surrogate: Phenol-d6	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*14.0 % (7.81-55)*	
Surrogate: 2-Chlorophenol-d4	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*57.2 % (18-111)*	
Surrogate: 1,2-Dichlorobenzene-d4	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*63.7 % (30-106)*	
Surrogate: Nitrobenzene-d5	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*86.2 % (35.1-126)*	
Surrogate: 2-Fluorobiphenyl	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*84.0 % (34-124)*	
Surrogate: 2,4,6-Tribromophenol	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*79.2 % (19-155)*	
Surrogate: p-Terphenyl-d14	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*113 % (33-149)*	
Cyanide (total)	SM 4500-CN-E	AF91417	0.005	17-Jun-19 (LA)	<0.005 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/27/2019
Laboratory Director

[redacted]

[redacted]

[redacted]: ([redacted]) [redacted]4-[redacted]6[redacted] ([redacted]) [redacted]4-[redacted]8[redacted]
[redacted]p: [redacted]www.[redacted].c[redacted]m [redacted]p[redacted]l[redacted]b@l[redacted].c[redacted]m

[redacted]O[redacted]ID: [redacted]76[redacted]
[redacted]m[redacted]ID: [redacted]4[redacted]
[redacted]m[redacted]O:
[redacted]j[redacted]ID:

[redacted] [redacted]v[redacted]z[redacted]
[redacted] [redacted]m[redacted]b[redacted]
[redacted]8[redacted]4[redacted]
[redacted] [redacted]4[redacted]

[redacted]: [redacted](8[redacted]) [redacted]-[redacted]
[redacted]:
R[redacted]c[redacted]v[redacted]: [redacted]6[redacted]7[redacted]
[redacted]lyz[redacted]: [redacted]6[redacted]

[redacted] [redacted]

[redacted] [redacted] [redacted] [

July 10, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1907905
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 3 pages divided into 3 sections:

Case Narrative	(1 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
19F0315-01	06/13/2019	06/17/2019	SP 1907905-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Wet Chemistry QC

218.6	06/28/2019:209818 All analysis quality controls are within established criteria
	06/28/2019:207371 All preparation quality controls are within established criteria

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Reviewed and Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2019-07-11

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

July 10, 2019

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : 19F0315-01
Project : 19F0315

Lab ID : SP 1907905-001
Customer ID : 2-12670

Sampled On : June 13, 2019-10:50
Sampled By : Not Available
Received On : June 17, 2019-10:56
Matrix : Waste Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Chromium VI	ND	0.1	ug/L		218.6	06/28/19:207371	218.6	06/28/19:209818

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

July 10, 2019 Lab ID : SP 1907905
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Chromium VI	218.6	06/28/19:207371JDD	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	105 %	90-110	
			MS	ug/L	2.000	97.6 %	75-125	
		(STK1938834-001)	MSD	ug/L	2.000	98.6 %	75-125	
			MSRPD	ug/L	2.000	1.0%	≤20	
			MS	ug/L	2.000	103 %	75-125	
		(SP 1908510-001)	MSD	ug/L	2.000	103 %	75-125	
			MSRPD	ug/L	2.000	0.01%	≤20	
	218.6	06/28/19:209818JDD	ICB	ppb		0.0006	0.1	
			CCV	ppb	5.000	103 %	95-105	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	105 %	95-105	

Definition

ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

SUBCONTRACT ORDER

Pat-Chem Laboratories

19F0315 1907905

SENDING LABORATORY:

Pat-Chem Laboratories
1824 1st Street
San Fernando, Ca 91340
Phone: (818)639-5300
Fax: (818)639-5309
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 19F0315-01 **Water**	**Sampled: 13-Jun-19 10:50**			**MCC Annual EFF**
Hex Cr 218.6	28-Jun-19 12:00	20-Jun-19 10:50		
Containers Supplied:				

Released By	Date	Received By	Date
UPS	6/17/19 1050	Client	6/17/19 1050
Released By	Date	Received By	Date

19. 1286550140912089382

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0315

Customer: IPC, Inc.		Project : (MCC) Annual EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/13/19	1050	1	Priority Metals	Grab	AQ	1L P	HN	
			1	Hex Cr	Grab	AQ	250 P	4°C	
			2	624 Priority	Grab	AQ	VOA	4°C	
			2	625 Priority, 608 Priority	Grab	AQ	1L G	4°C	
			1	CN	Grab	AQ	250 P	OH, AA	
			1	Asbestos	Grab	AQ	1L G	4°C	
			6	17-Estradiol, Caffeine, NDMA, Triciosan, DEET, Sucralose	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3Rd)	06/13/19	
Received by	EL	Eric (PAT)	6/13/19	1230
Relinquished by	EL	Eric (PAT)	6/13/19	1400
Received by				
Relinquished by				
Received in lab by		Jaime Parada	6/13/19	14:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Jun-19 18:13
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0316-01) Collected: 13-Jun-19 By CA						
pH	SM4500-H-B	AF91413	0.1	13-Jun-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91412	0.05	14-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91307	1.8	15-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91307	1.8	15-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0316

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/13/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3Re)	06/13/19	
Received by	EB	[illegible]	6/13/19	1230
Relinquished by	EB	[illegible]	6/13/19	1400
Received by				
Relinquished by				
Received in lab by		Jaio Parada	6/13/19	14:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Jun-19 18:15
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0347-01) Collected: 14-Jun-19 By CA						
pH	SM4500-H-B	AF91522	0.1	14-Jun-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91523	0.05	15-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91411	1.8	16-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91411	1.8	16-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 6/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0347

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/14/19	10:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	6/14/19	11:00
Received by	Jairo Menjivar	6/14/19	12:34
Relinquished by	Jairo Menjivar	6/14/19	3:04
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	6/14/19	1500

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

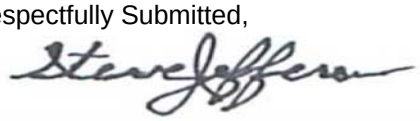
Attention: Ric Vardel
Report Date: 20-Jun-19 18:18
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0361-01) Collected: 15-Jun-19 By Joseph Clark						
pH	SM4500-H-B	AF91618	0.1	15-Jun-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91619	0.05	16-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91519	1.8	17-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91519	1.8	17-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0361

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Joseph Clark	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/15	09:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	6/15	10:00
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	6/15/19	1040
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	6/15/19	1148

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Jun-19 18:20
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0367-01) Collected: 16-Jun-19 By Joseph Clark						
pH	SM4500-H-B	AF91720	0.1	16-Jun-19 (PL)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91721	0.05	17-Jun-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91617	1.8	18-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91617	1.8	18-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0367

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/16/2019	09:39	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	6/16/2019	09:39	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
"	"	"							
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	6/16/2019	09:44
Received by	Alex Walker Jr	6/16/19	1146
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr (PCL)	6/16/19	1430

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bactena

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions related about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by Client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Persons, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation loss of profit or business interruption) litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by Client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials or mixtures such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's SSA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or any applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities. Communication or other reporting to the public of any securities, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or connecting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be actioned in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times. Without client notification or acceptance, for short holding times, 72 hours, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least ninety (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

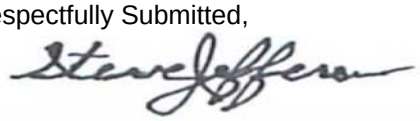
Attention: Ric Vardel
Report Date: 20-Jun-19 18:22
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0375-01) Collected: 17-Jun-19 By Carlos Alvarez						
pH	SM4500-H-B	AF91816	0.1	17-Jun-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91818	0.05	18-Jun-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91729	1.8	19-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91729	1.8	19-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0375

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/17/19	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ZPC)	06/17/19	
Received by		Jaird Menjivar	6/17/19	12:35pm
Relinquished by		Jaird Menjivar	6/17/19	3:00pm
Received by				
Relinquished by				
Received in lab by		MARIO SANTESTEBAN (PCL)	6/17/19	1410

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Jun-19 18:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0397-01) Collected: 18-Jun-19 By Julio Leal						
pH	SM4500-H-B	AF91931	0.1	18-Jun-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF91930	0.05	19-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91825	1.8	20-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91825	1.8	20-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0397

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** JULIO LEAL	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	06-18-19	11:02	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40 / 21.6°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	6-18-19	12:30
Received by	ARMANDO OLMOS (PatChem)	6/18/19	12:30
Relinquished by	ARMANDO OLMOS (PatChem)	6/18/19	14:00
Received by			
Relinquished by			
Received in lab by	MARIA SANTIESTEBAN (PCL)	6/18/19	1400

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jun-19 15:15
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0430-01) Collected: 19-Jun-19 By Carlos Alvarez						
pH	SM4500-H-B	AF92010	0.1	19-Jun-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92009	0.05	20-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF91935	1.8	21-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF91935	1.8	21-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0430

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/19/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	06/19/19	
Received by	Eb	Eb (PCL)	6/19/19	1230
Relinquished by	Eb	Eb (PCL)	6/19/19	1430
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	6/19/19	1515

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

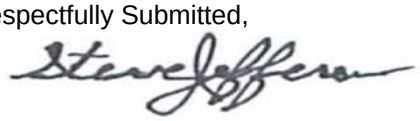
Attention: Ric Vardel
Report Date: 25-Jun-19 15:42
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0443-01) Collected: 19-Jun-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AF92117	0.10	21-Jun-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AF92011	2	25-Jun-19 (EA)	<2 mg/l	
Nitrate as N	EPA 353.2	AF92008	0.20	20-Jun-19 (LA)	2.32 mg/l	
Nitrite as N	EPA 353.2	AF92008	0.02	20-Jun-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AF92433	0.10	25-Jun-19 (LA)	0.87 mg/l	
Total Suspended Solids	SM 2540D	AF92012	1	20-Jun-19 (EA)	1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: AFO443

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/19/19	1040	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	06/18/19	0000	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	06/19/19	
Received by		PCL	6/19/19	
Relinquished by		PCL	6/19/19	1430
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	6/19/19	1515

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

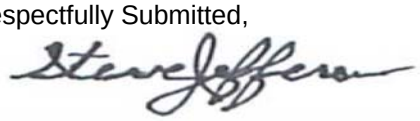
Attention: Ric Vardel
Report Date: 25-Jun-19 15:47
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19F0442-01) Collected: 19-Jun-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AF92011	2	25-Jun-19 (EA)	422 mg/l	
Total Suspended Solids	SM 2540D	AF92012	1	20-Jun-19 (EA)	313 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/25/2019
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

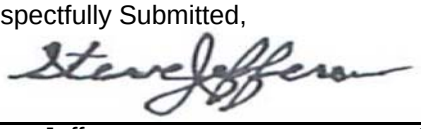
Attention: Ric Vardel
Report Date: 25-Jun-19 15:19
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0475-01) Collected: 20-Jun-19 By Carlos Alvarez						
pH	SM4500-H-B	AF92109	0.1	20-Jun-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92110	0.05	21-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92015	1.8	22-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92015	1.8	22-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0475

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/20/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.33/23.3°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAPE)	06/20/19	12:15
Received by		Armando Olmos (Pat-Chem)	6/20/19	12:15
Relinquished by		Armando Olmos (Pat-Chem)	6/20/19	
Received by				
Relinquished by				
Received in lab by		MARIO SANTESTEBAN (PCL)	6/20/19	1515

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jun-19 15:21
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0483-01) Collected: 21-Jun-19 By Carlos Alvarez						
pH	SM4500-H-B	AF92225	0.1	21-Jun-19 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92224	0.05	22-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92108	1.8	23-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92108	1.8	23-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0483

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine	CA 92618	**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/21/19	1000	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.8 124.5
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/21/19	10:00
Received by		Compliance IPC	6/21/19	10:00
Relinquished by		Compliance IPC	6/21	1:48
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	6/21/19	1319

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

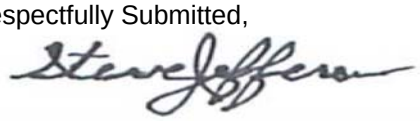
Attention: Ric Vardel
Report Date: 25-Jun-19 15:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0506-01) Collected: 22-Jun-19 By Carlos Alvarez						
pH	SM4500-H-B	AF92227	0.1	22-Jun-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92230	0.05	22-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92223	1.8	24-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92223	1.8	24-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0506

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/22/19	0950	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (PCL)	06/22/19	1000
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	6/22/19	10:00
Received by				
Relinquished by				
Received in lab by	Jordan Corkery	Jordan Corkery	6/22/19	11:55

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

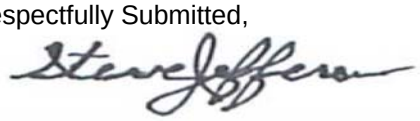
Attention: Ric Vardel
Report Date: 25-Jun-19 15:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0511-01) Collected: 23-Jun-19 By Victor Arikian						
pH	SM4500-H-B	AF92321	0.1	23-Jun-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92322	0.05	23-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92318	1.8	25-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92318	1.8	25-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 6/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0511

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARIKIAN Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/23/19	09:43	1	pH, T.Res.Chlorine	AQ				
	11	11	1	Total & Fecal Coliform	AQ				
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	6/23/19	09:47
Received by		Jordan Corkery (PatChem)	6/23/19	13:00
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	6/23/19	14:31

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

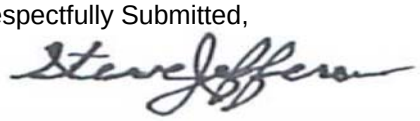
Attention: Ric Vardel
Report Date: 02-Jul-19 13:20
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0519-01) Collected: 24-Jun-19 By Carlos Alvarez						
pH	SM4500-H-B	AF92518	0.1	24-Jun-19 (PL)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92519	0.05	25-Jun-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92430	1.8	26-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92430	1.8	26-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0519

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/24/19	0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.7/20.4 °C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	C.	06/24/19	11:35
Received by	[illegible]	6/24/19	11:36
Relinquished by	[illegible]	6/24/19	12:48
Received by			
Relinquished by			
Received in lab by	MARIO SAN TIESTEBAN (PCL)	6/24/19	1248

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

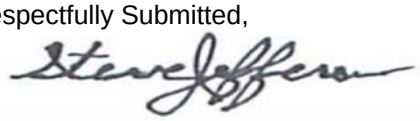
Attention: Ric Vardel
Report Date: 02-Jul-19 13:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0538-01) Collected: 25-Jun-19 By Carlos Alvarez						
pH	SM4500-H-B	AF92631	0.1	25-Jun-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92632	0.05	26-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92524	1.8	27-Jun-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92524	1.8	27-Jun-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0538

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	06/25/19	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.38 / 22.9°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Arram (PCL)	06/25/19	12:15
Received by		Alejandro Olmos (PatChem)	6/25/19	12:15
Relinquished by		Alejandro Olmos (PatChem)	6/25/19	13:30
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	6/25/19	1330

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	**AQ** - Water	**P** - Plastic
Comp	**SO** -Soil / Sludge	**G** - Amber Glass
	OT - Other	**VOA** - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

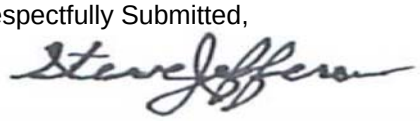
Attention: Ric Vardel
Report Date: 09-Jul-19 15:07
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19F0611-01) Collected: 25-Jun-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AF92821	2	03-Jul-19 (EA)	315 mg/l	
Total Suspended Solids	SM 2540D	AF92822	1	28-Jun-19 (EA)	140 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/9/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190611

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	06/25/19	0000	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (Calel)	06/27/19	
Received by	Elc	Carlos TM	6.27.19	1215
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTESTEBAN (PCL)	6/27/19	1325

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

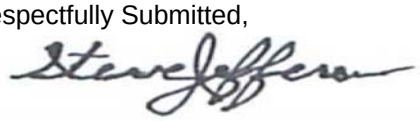
Attention: Ric Vardel
Report Date: 02-Jul-19 13:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0567-01) Collected: 26-Jun-19 By MJ						
pH	SM4500-H-B	AF92709	0.1	26-Jun-19 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92708	0.05	27-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92630	1.8	28-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92630	1.8	28-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0567

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Mike Jahromi	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/26/19	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.8 / 24.8
	" "	" "	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mike Jahromi IPC	06/26/19	12:20
Received by		(PCL)	6/26/19	12:20
Relinquished by		(PCL)	6/26/19	13:04
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	6/26/19	1304

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Jul-19 15:12
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0614-01) Collected: 26-Jun-19 By Carlos Alvarez						
Total Suspended Solids	SM 2540D	AF92822	1	28-Jun-19 (EA)	2 mg/l	
EFF (Sample I.D.# : 19F0614-02) Collected: 27-Jun-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AG90126	0.10	01-Jul-19 (SGS)	0.26 mg/l	
Biochemical Oxygen Demand	SM 5210B	AF92821	2	03-Jul-19 (EA)	<2 mg/l	
Nitrate as N	EPA 353.2	AF92719	0.20	27-Jun-19 (LA)	2.94 mg/l	
Nitrite as N	EPA 353.2	AF92719	0.02	27-Jun-19 (LA)	0.04 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG90130	0.10	02-Jul-19 (LA)	0.93 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/9/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0614

Customer: IPC, Inc.		Project : **(MCC) Weekly EFF**	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/27/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
	06/27/19	1010	1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (CPC)	06/27/19	
Received by	EG Carlo	pcl	6/27/19	1245
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Marjo Santisteban	MARJO SANTISTEBAN (PCL)	6/27/19	1325

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

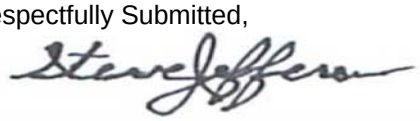
Attention: Ric Vardel
Report Date: 02-Jul-19 13:36
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0609-01) Collected: 27-Jun-19 By Carlos Alvarez						
pH	SM4500-H-B	AF92814	0.1	27-Jun-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92813	0.05	28-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92707	1.8	29-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92707	1.8	29-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0609

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	06/27/19	1005	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/27/19	
Received by	EG		6/27/19	1215
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIE SAN TIESTEBAN (PCL)	6/27/19	1325

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jul-19 13:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0629-01) Collected: 28-Jun-19 By Carlos Alvarez						
pH	SM4500-H-B	AF92918	0.1	28-Jun-19 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92919	0.05	29-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92816	1.8	30-Jun-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92816	1.8	30-Jun-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0629

Customer:	IPC, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	6/28/19	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.16 / 17.1°C
	"		1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	6/28/19	11:45
Received by:	Armando Ornos (Pat Chem)	6/28/19	12:15
Relinquished by:	Armando Ornos (Pat Chem)	6/28/19	13:45
Received by:			
Relinquished by:			
Received in lab by:	~~ARMANDO~~ MARIO SANTIESTEBAN (PCL)	6/28/19	1345

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**AI** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jul-19 13:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0650-01) Collected: 29-Jun-19 By Joseph Clark						
pH	SM4500-H-B	AF92921	0.1	29-Jun-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AF92922	0.05	29-Jun-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF92917	1.8	01-Jul-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF92917	1.8	01-Jul-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1970650

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Joseph Clark	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/29/19	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	6/29/19	10:00
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	6/29/19	10.10
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	6/29/19	11:13

Sample Received Checklist

Temperature upon receipt: 4oc

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

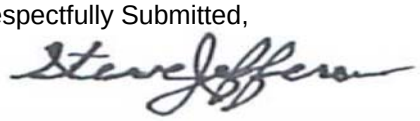
Attention: Ric Vardel
Report Date: 02-Jul-19 13:43
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0655-01) Collected: 30-Jun-19 By victor Arikian						
pH	SM4500-H-B	AF93024	0.1	30-Jun-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90123	0.05	01-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AF93021	1.8	02-Jul-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AF93021	1.8	02-Jul-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19F0655

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** VICTOR ARTKIAN	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/30/19	10:06	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARTKIAN (IPC)	6/30/19	10:09
Received by	Jordan Corkery (Patchem)	6/30/19	11:35
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery (Patchem)	6/30/19	13:11

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Jul-19 15:16
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0019-01) Collected: 01-Jul-19 By victor Arikian						
pH	SM4500-H-B	AG90218	0.1	01-Jul-19 (PL)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90220	0.05	02-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90128	1.8	03-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90128	1.8	03-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/9/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0019

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. D.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/01/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1/28.2°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/01/19	1222
Received by		MARIO SANTIESTEBAN (PCL)	7/1/19	1222
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/1/19	1325

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

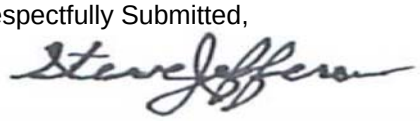
Attention: Ric Vardel
Report Date: 09-Jul-19 15:19
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0037-01) Collected: 02-Jul-19 By Julio Leal						
pH	SM4500-H-B	AG90309	0.1	02-Jul-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90310	0.05	03-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90227	1.8	04-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90227	1.8	04-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/9/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960037

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: JULIO LEAL	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	07-02-19	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.27 / 27.3°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	7-2-19	17:30
Received by	HEMANTKUMAR ARORA (PATCHEM)	7/2/19	17:30
Relinquished by	HEMANTKUMAR ARORA (PATCHEM)	7/2/19	14:20
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	7/2/19	1420

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

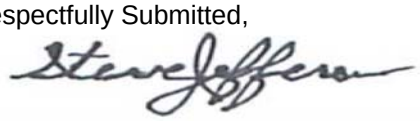
Attention: Ric Vardel
Report Date: 09-Jul-19 15:10
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0102-01) Collected: 02-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG90313	2	08-Jul-19 (EA)	49 mg/l	
Total Suspended Solids	SM 2540D	AG90831	1	08-Jul-19 (SGS)	168 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/9/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960102

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. D.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/02/19	0000	1	TSS	Grab	AQ	1L P	4°C	
1	1	1	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	07/03/19	
Received by	Eb	Carlos Alvarez (PCL)	7.3.19	1250
Relinquished by	Eb	Carlos Alvarez	7.3.19	1350
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/3/19	1350

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Jul-19 15:21
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0100-01) Collected: 03-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG90404	0.1	03-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90405	0.05	04-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90314	1.8	05-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90314	1.8	05-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/9/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960100

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** [signature]	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/03/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (Carl)	07/03/19	
Received by	EC [signature]	[signature]	7-3-19	1250
Relinquished by	EC [signature]	[signature]	7-3-19	1350
Received by				
Relinquished by				
Received in lab by	[signature]	MARIO SANTIESTEBAN (PCL)	7/3/19	1350

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jul-19 18:05
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0106-01) Collected: 03-Jul-19 By Carlos Alvarez						
Boron	EPA 200.7	AG90828	0.10	08-Jul-19 (AF)	0.42 mg/l	
MBAS	SM 5540C	AG90407	0.20	04-Jul-19 (JC)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AG91214	5	15-Jul-19 (PL)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AG91030	0.15	10-Jul-19 (LA)	2.90 mg/l	
Total Dissolved Solids	SM 2540C	AG90834	5	09-Jul-19 (EA)	980 mg/l	
Chloride	EPA 300.0	AG90507	1.0	05-Jul-19 (AV)	281 mg/l	
Sulfate as SO4	EPA 300.0	AG90507	0.5	05-Jul-19 (AV)	162 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/15/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19GD106

Customer: IPC, Inc.		**Project :** (MCC) Monthly EFF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	07/03/19	1045	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	07/03/19	
Received by	EC	[illegible]	7-3-19	1250
Relinquished by	EC	[illegible]	7-3-19	1350
Received by				
Relinquished by				
Received in lab by	[signature]	MARIO SANTIESTEBAN (PCL)	7/3/19	1350

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

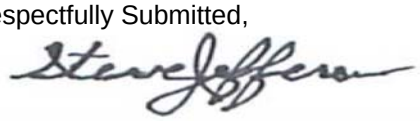
Attention: Ric Vardel
Report Date: 11-Jul-19 16:23
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0105-01) Collected: 03-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AG90921	0.10	09-Jul-19 (SGS)	0.68 mg/l	
Nitrate as N	EPA 353.2	AG90318	0.20	03-Jul-19 (LA)	4.21 mg/l	
Nitrite as N	EPA 353.2	AG90318	0.02	03-Jul-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG90832	0.10	09-Jul-19 (LA)	1.01 mg/l	
Total Suspended Solids	SM 2540D	AG90831	1	08-Jul-19 (SGS)	<1 mg/l	
EFF (Sample I.D.# : 19G0105-02) Collected: 03-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG90313	2	08-Jul-19 (EA)	3 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960105

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C. Alvarez	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/03/19	1045	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	07/02/19	0000	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	07/03/19	
Received by	EC	Carlos Alvarez (IPC)	7-3-19	1250
Relinquished by	EC	Carlos Alvarez (IPC)	7-3-19	1350
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/3/19	1350

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Jul-19 16:36
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0114-01) Collected: 04-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG90410	0.1	04-Jul-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90505	0.05	05-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90403	1.8	06-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90403	1.8	06-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0114

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	7.4.19	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by			
Received by			1320
Relinquished by			
Received by			
Relinquished by			
Received in lab by		7.4.19	1320

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: AQ - Water; SO -Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Jul-19 16:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0122-01) Collected: 05-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG90619	0.1	05-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90620	0.05	06-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90504	1.8	07-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90504	1.8	07-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960122

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/5/19	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	~	~	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name	(Company)	Date	Time
Relinquished by GK	Golan	IPC	7/5/19	
Received by	Jairo	Mensivar	7/5/19	12:30pm
Relinquished by	Jairo	Mensivar	7/5/19	3:00pm
Received by				
Relinquished by				
Received in lab by	MARIO SANJESTEBAN	(PCL)	7/5/19	1425

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

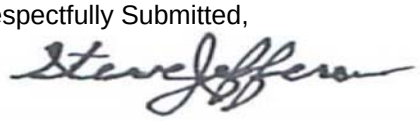
Attention: Ric Vardel
Report Date: 11-Jul-19 16:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0128-01) Collected: 06-Jul-19 By Joseph Clark						
pH	SM4500-H-B	AG90624	0.1	06-Jul-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90623	0.05	06-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90618	1.8	08-Jul-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90618	1.8	08-Jul-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0128

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Joseph Clark	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/06/19	09:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph L Clark	Joseph Clark (IPC)	07/06/19	9:45
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	7/6/19	0950
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	7/6/19	10:41

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Jul-19 16:42
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0132-01) Collected: 07-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG90716	0.1	07-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90826	0.05	08-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90715	1.8	10-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90715	1.8	10-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0132

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: VIGTOR ARIKIAN	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	7/7/19	09:19	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VIGTOR ARIKIAN (IPC)	7/7/19	09:25
Received by		Jordan Corkery (PatChem)	7/7/19	12:25
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	7/7/19	14:22

Sample Received Checklist

Temperature upon receipt: 7°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Jul-19 16:46
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0147-01) Collected: 08-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG90914	0.1	08-Jul-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90915	0.05	09-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90835	1.8	10-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90835	1.8	10-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960147

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/08/19	0910	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/08/19	
Received by	EG	PCL	7.8.19	1130
Relinquished by	EG	PCL	7.8.19	1250
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/8/19	1250

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Jul-19 16:48
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0192-01) Collected: 09-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG91022	0.1	09-Jul-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91023	0.05	10-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90928	1.8	11-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90928	1.8	11-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0192

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/09/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.23 / 24.7
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRC)	07/09/19	12:05
Received by		Greg Gerace (PCL)	7/9/19	12:05
Relinquished by		Greg Gerace PCL	7/9/19	17:20
Received by				
Relinquished by				
Received in Lab by		MAESO (PCL) SANTJESTECOM	7/9/19	1720

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

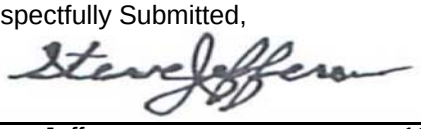
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Oct-19 17:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
Silver	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	<0.2 ug/l	
Aluminum	EPA 200.8	AG92225	5.0	23-Jul-19 (AF)	40 ug/l	
Arsenic	EPA 200.8	AG92225	0.5	23-Jul-19 (AF)	0.9 ug/l	
Barium	EPA 200.8	AG92225	0.5	23-Jul-19 (AF)	13 ug/l	
Beryllium	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	<0.2 ug/l	
Calcium	EPA 200.7	AG91024	0.05	10-Jul-19 (AF)	51.3 mg/l	
Cadmium	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	2.2 ug/l	
Copper	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	1.0 ug/l	
Iron	EPA 200.7	AG91024	0.02	10-Jul-19 (AF)	<0.02 mg/l	
Mercury	EPA 245.1	AG92335	0.20	25-Jul-19 (AF)	<0.20 ug/l	
Magnesium	EPA 200.7	AG91024	0.10	10-Jul-19 (AF)	27.5 mg/l	
Manganese	EPA 200.8	AG92225	0.5	23-Jul-19 (AF)	3.6 ug/l	
Nickel	EPA 200.8	AG92225	0.5	23-Jul-19 (AF)	3.8 ug/l	
Lead	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AG92225	1.0	23-Jul-19 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AG92225	2.0	23-Jul-19 (AF)	4.7 ug/l	
Thallium	EPA 200.8	AG92225	1.0	23-Jul-19 (AF)	<1.0 ug/l	
Zinc	EPA 200.8	AG92225	1.0	23-Jul-19 (AF)	13 ug/l	
1,2-Dibromoethane (EDB)	EPA 504.1	AG91723	0.02	03-Sep-19 (SJ)	<0.02 ug/l	
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AG91723	0.01	03-Sep-19 (SJ)	<0.01 ug/l	
Bis(2-ethylhexyl)adipate	EPA 506	AG91026	2.0	05-Aug-19 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 506	AG91026	2.0	05-Aug-19 (SJ)	<2.0 ug/l	
Surrogate: o-Terphenyl	*EPA 506*	*AG91026*		*05-Aug-19 (SJ)*	*73.7 % (50-120)*	
Alachlor	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	
Atrazine	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	
Molinate	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	
Simazine	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	

Respectfully Submitted,



Steve Jefferson 10/18/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

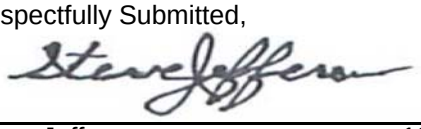
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Oct-19 17:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
Thiobencarb (Bolero)	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	
Surrogate: 1,3-Dimethyl-2-nitrobenzer	*EPA 507*	*AG91207*		*22-Aug-19 (SJ)*	*90.3 % (40-120)*	
Chlordane	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Endrin	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Gamma-BHC(Lindane)	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Heptachlor	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Hexachlorobenzene	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Hexachlorocyclopentadiene	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 508	AG91208	0.05	22-Aug-19 (SJ)	<0.05 ug/l	
Toxaphene	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1016	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1221	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1232	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1242	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1248	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1254	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1260	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 508*	*AG91208*		*22-Aug-19 (SJ)*	*51.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	*EPA 508*	*AG91208*		*22-Aug-19 (SJ)*	*117 % (50-120)*	
Bentazon	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
2,4-D	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Dalapon	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Dinoseb	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Pentachlorophenol (PCP)	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Picloram	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
2,4,5-TP	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Surrogate: 2,4-DCAA	*EPA 515.1*	*AG91525*		*20-Aug-19 (SJ)*	*87.8 % (60-140)*	

Respectfully Submitted,



Steve Jefferson 10/18/2019
Laboratory Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Oct-19 17:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
Benzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Bromodichloromethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	18.5 ug/l	
Bromoform	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	0.8 ug/l	
Carbon tetrachloride	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
c-1,3-Dichloropropene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
cis-1,2-Dicholoroethene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Chlorobenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Chloroform	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	20.9 ug/l	
Dibromochloromethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	6.6 ug/l	
1,2-Dichlorobenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,4-Dichlorobenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,2-Dichloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,1-Dichloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,3-Dichloropropane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,2-Dichloropropane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Ethylbenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Methyl tert-butyl ether	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Methylene chloride	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Styrene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
t-1,2-Dichloroethene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
t-1,3-Dichloropropene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,1,2,2-Tetrachloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Tetrachloroethene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Toluene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,2,4-Trichlorobenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,1,1-Trichloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,1,2-Trichloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Trichloroethene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,1-Dichloroethene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	

Respectfully Submitted,

Steve Jefferson 10/18/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Oct-19 17:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Vinyl chloride	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
o-Xylene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
m,p-Xylene	EPA 524.2	AG92231	1.0	13-Aug-19 (SJ)	<1.0 ug/l	
Surrogate: Dibromofluoromethane	*EPA 524.2*	*AG92231*		*13-Aug-19 (SJ)*	*100 % (80-120)*	
Surrogate: Toluene-d8	*EPA 524.2*	*AG92231*		*13-Aug-19 (SJ)*	*111 % (80-120)*	
Surrogate: Bromofluorobenzene	*EPA 524.2*	*AG92231*		*13-Aug-19 (SJ)*	*105 % (80-120)*	
Carbofuran	EPA 632	AG91104	1.0	26-Aug-19 (SJ)	<1.0 ug/l	
Oxamyl	EPA 632	AG91104	1.0	26-Aug-19 (SJ)	<1.0 ug/l	
Chloroacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	<1.0 ug/l	
Bromoacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	<1.0 ug/l	
Dichloroacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	13.1 ug/l	
Trichloroacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	4.7 ug/l	
Dibromoacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	2.6 ug/l	
Haloacetic Acids (HAA5)	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	<1.0 ug/l	
Surrogate: 2,3-Dibromopropionic Acid	*EPA 552.2*	*AG91615*		*27-Aug-19 (SJ)*	*96.6 % (60-140)*	
Benzo (a) pyrene	EPA 550	AG91027	0.05	20-Aug-19 (SJ)	<0.05 ug/l	
Surrogate: Decafluorobiphenyl	*EPA 550*	*AG91027*		*20-Aug-19 (SJ)*	*50.4 % (45-120)*	
Cyanide (total)	SM 4500-CN-E	AG91036	0.005	15-Jul-19 (LA)	<0.005 mg/l	
MBAS	SM 5540C	AG91039	0.20	17-Jul-19 (AV)	0.21 mg/l	
pH	SM4500-H-B	AG91022	0.1	09-Jul-19 (PL)	7.3 pH Units	A-01
Total Alkalinity	SM 2320B	AG91038	1	10-Jul-19 (EA)	192 mg/l	
Carbonate Alkalinity	SM 2320B	AG91038	1	10-Jul-19 (EA)	<1 mg/l	
Bicarbonate Alkalinity	SM 2320B	AG91038	1	10-Jul-19 (EA)	192 mg/l	
Hydroxide Alkalinity	SM 2320B	AG91038	1	10-Jul-19 (EA)	<1 mg/l	
Color	SM 2120 C	AG91029	5.0	10-Jul-19 (LA)	25.4 CU	
Specific Conductance (EC)	SM 2510B	AG91020	0.1	10-Jul-19 (PL)	1560 uS/cm	
Odor	SM 2150B	AG91118	1	09-Jul-19 (JC)	<1 T.O.N.	

Respectfully Submitted,



Steve Jefferson 10/18/2019
Laboratory Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Oct-19 17:08
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
Bromate	EPA 300.0	AG91811	25.0	18-Jul-19 (AV)	<25.0 ug/l	
Chlorite	EPA 300.0	AG91811	100	18-Jul-19 (AV)	<100 ug/l	
Fluoride	EPA 300.0	AG91025	0.10	10-Jul-19 (AV)	0.55 mg/l	

Notes and Definitions

A-01 Langelier Index = -0.21

Respectfully Submitted,



Steve Jefferson 10/18/2019
Laboratory Director

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

July 19, 2019 Ceres ID: 12917

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on July 15, 2019. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

This work was authorized under Pat-Chem Laboratories' Project # 19G0196.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,



James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date	&Time
12917-001	19G0196-01	7/15/2019	7/9/2019	10:45

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Method Blank**	**QC Batch #:** 2022	**Date Received:** NA
	Matrix: Aqueous	**Date Extracted:** 7/16/2019
Project ID: 19G0196	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 7/18/2019

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.61	1.49	5.00		13C-2378-TCDD	91.6	31-137	
					CRS			
					37Cl4-2378-TCDD	81.0	35-197	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 2022	**Date Extracted:** 7/16/2019
	Matrix: Aqueous	**ZB-5MS Analysis:** 7/18/2019
Project ID: 19G0196	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	86.8	7.3-14.6	13C-2378-TCDD	99.0	25-141
			CRS		
			37Cl4-2378-TCDD	94.8	37-158

(a) Limits based on method acceptance criteria.

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Client Sample ID: 19G0196-01		
Project ID: 19G0196	**Ceres Sample ID:** 12917-001	**Date Received:** 7/15/2019
	QC Batch #: 2022	**Date Extracted:** 7/16/2019
Date Collected: 7/9/2019	**Matrix:** Aqueous	**ZB-5MS Analysis:** 7/18/2019
Time Collected: 10:45	**Sample Size:** 0.966 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.61	1.49	5.18		13C-2378-TCDD	86.7	31-137	
					CRS			
					37Cl4-2378-TCDD	93.2	42-164	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

[redacted]

[redacted]

[redacted]: (___) ___-____ (___) ___-____

[redacted]: [redacted]

[redacted] ID: [redacted]
[redacted] ID:
[redacted]:
[redacted] ID:

[redacted]: [redacted]
[redacted]
[redacted]
[redacted]

[redacted]:
[redacted]:
[redacted]:
[redacted]:

[redacted]

[redacted]

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
									(mg/kg dry basis)
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

[redacted]:

[redacted]:

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]:

[redacted]:

[redacted]

[redacted]

[redacted]:

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

NORTH COAST LABORATORIES LTD.

July 29, 2019

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 93340

Attn: Steven Jefferson

Order No.: 1907272
Invoice No.: 147727
PO No.:
ELAP No.1247-Expires July 2020

RE: 19G0196

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	19G0196-01

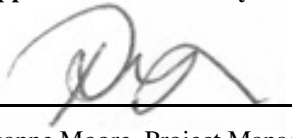
ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

Approved for release by:



Roxanne Moore, Project Manager

Date: 29-Jul-2019
WorkOrder: 1907272

CASE NARRATIVE

The sample was received outside the EPA recommended temperature of less than or equal to 6° C.

EPA 548:
The endothal recovery for the matrix spike (MS) was below the lower acceptance limit. The recovery was within acceptance limits in the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) indicating the analytical batch was in control.

EPA 549.2:
Diquat strongly adsorbs to soil particles that are suspended in water. The strong chemical bonds make the herbicide chemically inactive. When bound with soil particles, the extraction procedure for method EPA 549.2 is ineffective at isolating the bound diquat. Any reported diquat represents the dissolved analyte in the water that has not been bound to the soil particles.

Date Jul

WorkOrder

ANALYTICAL REPORT

Client Sample ID G

Lab ID A

Received

Collected

Test Name Endothall **Reference** EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND			µg/L			
Surrogate D				Rec			

Test Name EPA **Reference** EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat dissolved	ND			µg/L			

Test Name Glyphosate **Reference** EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND			µg/L			

North Coast Laboratories, Ltd.

Date: 7/29/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1907272
Project: 19G0196

QC SUMMARY REPORT

Method Blank

Sample ID **MB-072219**	Batch ID: **R100208**	Test Code: **547W**	Units: **µg/L**	Analysis Date **7/23/2019 5:10:05 PM**	Prep Date **7/22/2019**
Client ID:		Run ID: **ORLC9_190723A**		SeqNo: **1425767**	

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	ND	5.0									

Sample ID **MB-37586**	Batch ID: **37586**	Test Code: **548W**	Units: **µg/L**	Analysis Date **7/25/2019 12:25:45 AM**	Prep Date **7/15/2019**
Client ID:		Run ID: **ORGC14_190724A**		SeqNo: **1425946**	

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	ND	45									
Surrogate: 2,3-D	270	0.10	250	0	108%	78	117	0			

Sample ID **MB-37584**	Batch ID: **37584**	Test Code: **549W**	Units: **µg/L**	Analysis Date **7/16/2019 6:22:41 PM**	Prep Date **7/15/2019**
Client ID:		Run ID: **ORLC8_190716A**		SeqNo: **1424535**	

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	ND	0.40									

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 7/29/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1907272
Project: 19G0196

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **1907272-01AMS** Batch ID: **37586** Test Code: **548W** Units: **µg/L** Analysis Date **7/25/2019 1:32:03 AM** Prep Date **7/15/2019**
Client ID: **19G0196-01** Run ID: **ORGC14_190724A** SeqNo: **1425949**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	66.54	45	225	0	29.6%	61	114	0			S
Surrogate: 2,3-D	259	0.10	250	0	104%	78	117	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 7/29/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1907272
Project: 19G0196

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-072219** Batch ID: **R100208** Test Code: **547W** Units: **µg/L** Analysis Date **7/23/2019 5:31:52 PM** Prep Date **7/22/2019**
Client ID: Run ID: **ORLC9_190723A** SeqNo: **1425768**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	49.08	5.0	50.0	0	98.2%	80	118	0			

Sample ID **LCSD-072219** Batch ID: **R100208** Test Code: **547W** Units: **µg/L** Analysis Date **7/23/2019 5:53:39 PM** Prep Date **7/22/2019**
Client ID: Run ID: **ORLC9_190723A** SeqNo: **1425769**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	51.13	5.0	50.0	0	102%	80	118	49.1	4.09%	30	

Sample ID **LCS-37586** Batch ID: **37586** Test Code: **548W** Units: **µg/L** Analysis Date **7/25/2019 12:47:41 AM** Prep Date **7/15/2019**
Client ID: Run ID: **ORGC14_190724A** SeqNo: **1425947**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	198.0	45	225	0	88.0%	61	114	0			
Surrogate: 2,3-D	286	0.10	250	0	114%	78	117	0			

Sample ID **LCSD-37586** Batch ID: **37586** Test Code: **548W** Units: **µg/L** Analysis Date **7/25/2019 1:09:41 AM** Prep Date **7/15/2019**
Client ID: Run ID: **ORGC14_190724A** SeqNo: **1425948**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	199.9	45	225	0	88.9%	61	114	198	0.973%	30	
Surrogate: 2,3-D	284	0.10	250	0	114%	78	117	286	0.534%	30	

Sample ID **LCS-37584** Batch ID: **37584** Test Code: **549W** Units: **µg/L** Analysis Date **7/16/2019 6:33:25 PM** Prep Date **7/15/2019**
Client ID: Run ID: **ORLC8_190716A** SeqNo: **1424536**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.767	0.40	2.00	0	88.4%	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pat-Chem Laboratories
Work Order: 1907272
Project: 19G0196

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-37584** Batch ID: **37584** Test Code: **549W** Units: **µg/L** Analysis Date **7/16/2019 6:54:48 PM** Prep Date **7/15/2019**
Client ID: Run ID: **ORLC8_190716A** SeqNo: **1424537**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.671	0.40	2.00	0	83.6%	70	130	1.77	5.58%	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

August 8, 2019

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1909145
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(3 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
19G0196-01	07/09/2019	07/12/2019	SP 1909145-001	W

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived at 4 °C. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.8	07/19/2019:210972 All analysis quality controls are within established criteria.
	07/19/2019:208132 All preparation quality controls are within established criteria, except: The following note applies to Uranium: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Radio QC

900.0	07/31/2019:211606 All analysis quality controls are within established criteria.
	07/24/2019:208290 All preparation quality controls are within established criteria, except: The following note applies to Gross Alpha: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 8, 2019 Lab ID : SP 1909145
Pat-Chem Laboratories Customer : 2-12670

Radio QC

903.0	07/24/2019:211178 All analysis quality controls are within established criteria.
	07/18/2019:208102 All preparation quality controls are within established criteria.
905.0	07/29/2019:211591 All analysis quality controls are within established criteria.
	07/21/2019:208103 All preparation quality controls are within established criteria.
906.0	07/23/2019:211070 All analysis quality controls are within established criteria.
	07/22/2019:208184 All preparation quality controls are within established criteria.
Ra - 05	07/30/2019:211726 All analysis quality controls are within established criteria.
	07/23/2019:208104 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

314.0	07/27/2019:211657 All analysis quality controls are within established criteria.
	07/26/2019:208490 All preparation quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2019-08-08

August 8, 2019

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 19G0196-01
Project : 19G0196

Lab ID : SP 1909145-001
Customer ID : 2-12670

Sampled On : July 9, 2019-10:45
Sampled By : Not Available
Received On : July 12, 2019-07:48
Matrix : Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total								
Uranium	3.0	0.2	ug/L		200.8	07/19/19:208132	200.8	07/19/19:210972
Wet Chemistry								
Perchlorate	ND	2	ug/L		314.0	07/26/19:208490	314.0	07/27/19:211657

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 8, 2019

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 19G0196-01
Project : 19G0196

Lab ID : SP 1909145-001
Customer ID : 2-12670

Sampled On : July 9, 2019-10:45
Sampled By : Not Available
Received On : July 12, 2019-07:48
Matrix : Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	11.2 ± 1.78	1.24	pCi/L	15/5	900.0	07/24/19-08:33 2P1908290	900.0	07/31/19-09:56 2A1911606
Gross Beta	14.5 ± 1.69	1.46	pCi/L	50	900.0	07/24/19-08:33 2P1908290	900.0	07/31/19-09:56 2A1911606
Strontium 90	0.188 ± 0.281	0.546	pCi/L	8	905.0	07/21/19-09:30 2P1908103	905.0	07/29/19-14:30 2A1911591
Total Alpha Radium (226)	0.000 ± 0.136	0.418	pCi/L	3	903.0	07/18/19-17:20 2P1908102	903.0	07/24/19-10:06 2A1911178
Tritium	0.000 ± 270	434	pCi/L	20000	906.0	07/22/19-10:00 2P1908184	906.0	07/23/19-07:52 2A1911070
Ra 228	0.241 ± 0.666	0.410	pCi/L	2	Ra - 05	07/23/19-17:45 2P1908104	Ra - 05	07/30/19-18:40 2A1911726

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 8, 2019 Lab ID : SP 1909145
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Uranium	200.8	(SP 1909529-002)	MS	ug/L	5.000	133 %	75-125	435
			MSD	ug/L	5.000	124 %	75-125	
			MSRPD	ug/L	5.000	3.9%	≤20	
	200.8	07/19/19:210972AC	CCV	ppb	50.00	99.6 %	90-110	
			CCB	ppb		0.001	0.2	
			CCV	ppb	50.00	101 %	90-110	
			CCB	ppb		0.000	0.2	
Wet Chem								
Perchlorate	314.0	07/26/19:208490MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	97.5 %	85-115	
			MS	ug/L	25.00	91.2 %	80-120	
		(CH 1975576-001)	MSD	ug/L	25.00	89.3 %	80-120	
			MSRPD	ug/L	25.00	2.1%	≤15	
	314.0	07/27/19:211657MCA	CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	99.8 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	20.00	106 %	85-115	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 8, 2019 Lab ID : SP 1909145
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	07/31/19:211606JCA	CCV	cpm	7849	43.8 %	35-47	
			CCB	cpm		0.1800	0.18	
Beta	900.0	07/31/19:211606JCA	CCV	cpm	7849	93.1 %	83-94	
			CCB	cpm		0.3600	0.48	
Gross Alpha	900.0	07/24/19:208290iwc	Blank	pCi/L		1.43	3	
			LCS	pCi/L	155.2	115 %	75-125	
			MS	pCi/L	155.2	139 %	60-140	
		(SP 1909498-001)	MSD	pCi/L	155.2	143 %	60-140	435
			MSRPD	pCi/L	155.2	3.4%	≤30	
Gross Beta	900.0	07/24/19:208290iwc	Blank	pCi/L		1.64	4	
			LCS	pCi/L	26.53	114 %	84-160	
			MS	pCi/L	26.53	82.8 %	80-130	
		(SP 1909498-001)	MSD	pCi/L	26.53	82.4 %	80-130	
			MSRPD	pCi/L	155.2	0.5%	≤30	
Alpha	903.0	07/24/19:211178JCA	CCV	cpm	8206	38.2 %	37-46	
			CCB	cpm		0.0800	0.16	
Total Alpha Radium (226)	903.0	07/18/19:208102emv	RgBlk	pCi/L		0.11	2	
			LCS	pCi/L	23.33	71.5 %	52-107	
			BS	pCi/L	23.33	73.8 %	43-111	
			BSD	pCi/L	23.33	79.2 %	43-111	
			BSRPD	pCi/L	23.33	7.0%	≤35.5	
Beta	905.0	07/29/19:211591emv	CCV	cpm	8203	88.9 %	85-93	
			CCB	cpm		0.5200	0.58	
Total Strontium	905.0	07/21/19:208103emv	RgBlk	pCi/L		0.26	2	
			LRS	pCi/L	15.57	114 %	53-133	
			BS	pCi/L	15.55	79.5 %	75-125	
			BSD	pCi/L	15.55	81.2 %	75-125	
			BSRPD	pCi/L	15.55	2.1%	≤20	
Tritium	906.0	07/22/19:208184jca	Blank	pCi/L		204	<300	
			LCS	pCi/L	1754	93.1 %	75-125	
			BS	pCi/L	1754	86.3 %	75-125	
			BSD	pCi/L	1754	79.9 %	75-125	
			BSRPD	pCi/L	1754	6.8%	≤25	
	906.0	07/23/19:211070JCA	CCV	pCi/L	25670	98.0 %	90-110	
			CCB	pCi/L		228	500	
Beta	Ra - 05	07/30/19:211726emv	CCV	cpm	8202	89.7 %	84-94	
			CCB	cpm		0.4800	0.51	
Ra 228	Ra - 05	07/23/19:208104emv	RgBlk	pCi/L		-0.03	3	
			LRS	pCi/L	11.54	71.2 %	65-108	
			BS	pCi/L	11.54	82.7 %	75-125	
			BSD	pCi/L	11.54	87.4 %	75-125	
			BSRPD	pCi/L	11.54	0.53	≤3	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

August 8, 2019 Lab ID : SP 1909145
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Definition	
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0196

Customer: IPC, Inc.		**Project :** (MCC) Quarterly EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/09/19	1045	1	Ag, Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Mg, Hg, Ni, Se, Tl, Zn, Ca	Grab	AQ	1L P	HN	
			1	F, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1L P	4°C	
			1	CN	Grab	AQ	250 P	OH, AA 4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Perchlorate	Grab	AQ	500 P	4°C	
			6	524, 504, 552	Grab	AQ	VOA	4°C	
			6	507, 515, 632, 508, 550, 506	Grab	AQ	1L G	4°C	
			5	Asbestos, Diquat, Endothall, Glphosate, Dioxon- 2,3,7,8 TCCD	Grab	AQ	1L G	4°C	
			6	Radioactive - Radium-226 & 228, Gross Alpha, Gross Beta, Strontium-90, Tritium,	Grab	AQ	1L G	4°C	
			1	Uranium	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Golan Kfir (IPC)	07/09/19	12:05
Received by			7/9/19	12:05
Relinquished by			7/9/19	17:20
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/9/19	1720

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

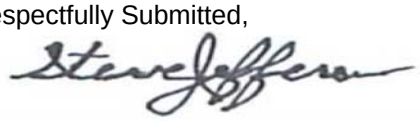
Attention: Ric Vardel
Report Date: 25-Jul-19 14:45
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0230-01) Collected: 09-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG91111	2	16-Jul-19 (EA)	43 mg/l	
Total Suspended Solids	SM 2540D	AG91114	1	11-Jul-19 (SGS)	282 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960230

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-282-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	7/9/19	0:00	1	TSS	~~Comp~~ / ~~Grab~~	AQ	1L P	4°C	
	11	-	1	BOD	~~Comp~~ / ~~Grab~~	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Relinquished by / Received by / Relinquished by / Received by / Relinquished by / Received in lab by	Signature	Print Name (Company)	Date	Time
Relinquished by	GK	Golan IPC	7/10/19	
Received by				
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/10/19	1255

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

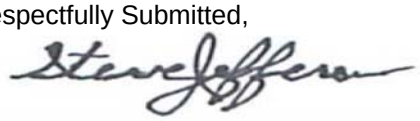
Attention: Ric Vardel
Report Date: 12-Jul-19 14:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0234-01) Collected: 10-Jul-19 By golan Kfir						
pH	SM4500-H-B	AG91106	0.1	10-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91107	0.05	11-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91040	1.8	12-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91040	1.8	12-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/12/2019
Laboratory Director

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			VERSION 6.18:2013
			Default Report (not modified)

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0234

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/10/19	10:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/10/19	
Received by:			
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	7/10/19	1255

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

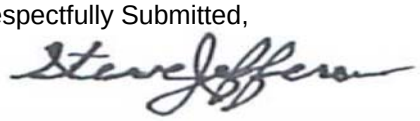
Attention: Ric Vardel
Report Date: 25-Jul-19 14:43
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0235-01) Collected: 10-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AG91209	0.10	12-Jul-19 (SGS)	0.50 mg/l	
Nitrate as N	EPA 353.2	AG91108	0.20	11-Jul-19 (LA)	1.89 mg/l	
Nitrite as N	EPA 353.2	AG91108	0.02	11-Jul-19 (LA)	0.03 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG91522	0.10	16-Jul-19 (LA)	0.54 mg/l	
Total Suspended Solids	SM 2540D	AG91114	1	11-Jul-19 (SGS)	<1 mg/l	
EFF (Sample I.D.# : 19G0235-02) Collected: 09-Jul-19 By golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AG91111	2	16-Jul-19 (EA)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0235

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/10/19	10:45	1	TSS	Grab	AQ	1L P	4°C	
	~	~	1	NH4, TKN	Grab	AQ	500 P	HS	
	~	~	1	NO2, NO3	Grab	AQ	500 P	4°C	
	7/9/19	0:00	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/10/19	
Received by:			
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	7/10/19	1255

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: **Grab** Comp

Matrix: **AQ** - Water; **SO** -Soil / Sludge; **OT** - Other

Bottle Type: **P** - Plastic; **G** - Amber Glass; **VOA** - 40 ml Vial; **Coli** - bacteria

Preservations: **HC** - HCl; **HS** - H_2SO_4; **HN** - HNO_3; **HP** - H_3PO_4; **OH** - NaOH; **ST** - Sodium Thiosulfate; **AA** - Ascorbic Acid; **AI** - $AlCl_3$; **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jul-19 14:13
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0259-01) Collected: 11-Jul-19 By golan Kfir						
pH	SM4500-H-B	AG91211	0.1	11-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91212	0.05	12-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91105	1.8	13-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91105	1.8	13-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0259

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/11/19	6:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	-	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan (IPC)	7/11/19	
Received by Ele	Evan G. pcl	7.11.19	1200
Relinquished by Ele	Evan G. pcl	7.11.19	1330
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	7/11/19	1330

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

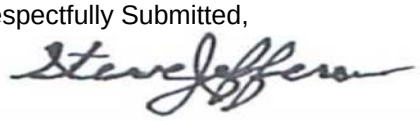
Attention: Ric Vardel
Report Date: 25-Jul-19 14:17
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0290-01) Collected: 12-Jul-19 By golan Kfir						
pH	SM4500-H-B	AG91317	0.1	12-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91318	0.05	13-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91210	1.8	14-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91210	1.8	14-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19GO 290

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/12/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/12/19	
Received by			7.12.19	1246
Relinquished by			7.12.19	1345
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/12/19	1345

Sample Received Checklist

Temperature upon receipt: 4c

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jul-19 14:20
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0297-01) Collected: 13-Jul-19 By Joseph Clark						
pH	SM4500-H-B	AG91323	0.1	13-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91427	0.05	14-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91316	1.8	15-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91316	1.8	15-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0297

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Joseph Clark	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	7/13/19	9:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	7/13/19	10:00
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	7/13/19	1010
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	7/13/19	11:06

Sample Received Checklist

Temperature upon receipt: 7°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

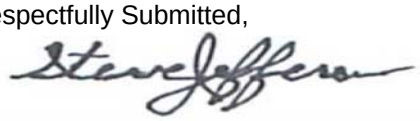
Attention: Ric Vardel
Report Date: 25-Jul-19 14:22
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0304-01) Collected: 14-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG91431	0.1	14-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91432	0.05	14-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91428	1.8	16-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91428	1.8	16-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960304

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** VICTOR ARIKIAN	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/14/19	09:58	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	07/14/19	09:58
Received by	Jordan Corkery (Pat-Chem)	07/14/19	11:25
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	07/14/19	13:37

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

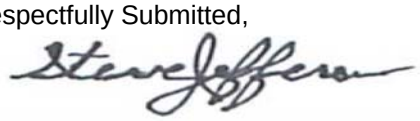
Attention: Ric Vardel
Report Date: 25-Jul-19 14:24
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0319-01) Collected: 15-Jul-19 By Golan Kfir						
pH	SM4500-H-B	AG91624	0.1	15-Jul-19 (PL)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91616	0.05	16-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91529	1.8	17-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91529	1.8	17-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 960319

Customer:	IPC, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/15/19	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/15/19	
Received by: EG	Golan PCL	7-15-19	1200
Relinquished by: EG	Golan PCL	7-15-19	1315
Received by:			
Relinquished by:			
Received in lab by:	MARIA SAN ESTEBAN (PCL)	7/15/19	1315

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jul-19 14:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0356-01) Collected: 16-Jul-19 By Golan Kfir						
pH	SM4500-H-B	AG91733	0.1	16-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91734	0.05	17-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91626	1.8	18-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91626	1.8	18-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0356

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/16/19	10:35	AQ	1 pH, T.Res.Chlorine					
	"	—	AQ	1 Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/16/19	
Received by: EG	Golan	7.16.19	1130
Relinquished by: EG	Golan	7.16.19	1330
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	7/16/19	1330

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4 **HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **AI** - $AlCl_3$ **Cu** - $CuSO_4$
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

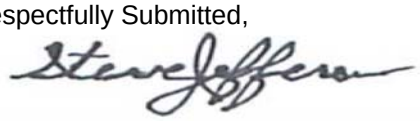
Attention: Ric Vardel
Report Date: 25-Jul-19 14:48
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0398-01) Collected: 16-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG91807	2	23-Jul-19 (REM)	447 mg/l	
Total Suspended Solids	SM 2540D	AG91914	1	19-Jul-19 (EA)	232 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0398

Customer: IPC, Inc.		**Project:** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/16/19	0000	1	TSS	Composite Grab	AQ	1L P	4°C	
1	1	1	1	BOD	Composite Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	07/17/19	11:30
Received by	EL	GW PM	7.17.19	1130
Relinquished by	EL	GW PCI	7.17.19	1315
Received by				
Relinquished by				
Received in lab by		Jaime Parra	7/17/19	13:15

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jul-19 14:29
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0392-01) Collected: 17-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG91810	0.1	17-Jul-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91809	0.05	18-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91731	1.8	19-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91731	1.8	19-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0392

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/17/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GSC)	07/17/19	
Received by		[illegible]	7.17.19	1130
Relinquished by		[illegible]	7.17.19	1315
Received by				
Relinquished by				
Received in lab by		MARIO BAUTISTA-ESTEBAN (PCL)	7/17/19	1315

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

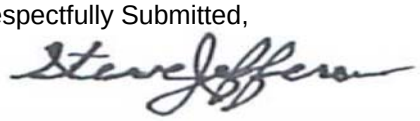
Attention: Ric Vardel
Report Date: 01-Aug-19 11:58
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0390-01) Collected: 17-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AG91907	0.10	22-Jul-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AG91908	0.02	19-Jul-19 (SGS)	1.03 mg/l	
Nitrite as N	EPA 353.2	AG91908	0.02	19-Jul-19 (SGS)	0.05 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG92514	0.10	26-Jul-19 (LA)	0.48 mg/l	
Total Suspended Solids	SM 2540D	AG91914	1	19-Jul-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19G0390-02) Collected: 17-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG91807	2	23-Jul-19 (REM)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960390

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/17	1030	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	07/16	0900	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	07/17/19	
Received by	Eb	Evans	7.17.19	1130
Relinquished by	Eb	Evans	7.17.19	1315
Received by				
Relinquished by				
Received in lab by		MARCO SANTIESTEBAN (PCL)	7/17/19	1315

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

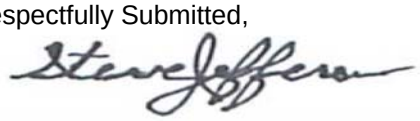
Attention: Ric Vardel
Report Date: 25-Jul-19 14:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0421-01) Collected: 18-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG91910	0.1	18-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91911	0.05	19-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91808	1.8	20-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91808	1.8	20-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0421

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/18/19	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/18/19	12:30
Received by	EB	Gavino M	7.18.19	1230
Relinquished by	EB	Gavino M	7.18.19	1400
Received by				
Relinquished by				
Received in lab by		Jaita P	7/18/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

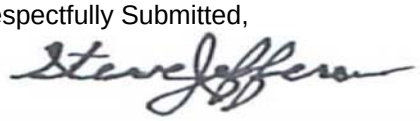
Attention: Ric Vardel
Report Date: 25-Jul-19 14:33
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0446-01) Collected: 19-Jul-19 By Golan Kfir						
pH	SM4500-H-B	AG92020	0.1	19-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92021	0.05	20-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91909	1.8	21-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91909	1.8	21-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0446

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	7/19/19	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56 / 15.8°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/19/19	12:00
Received by:	Armando Olmos / Pat Chem	7/19/19	12:00
Relinquished by:	Armando Olmos (Pat Chem)	7/19/19	13:10
Received by:			
Relinquished by:			
Received in lab by:	Jaito Patel	7/19/19	13:10

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jul-19 14:35
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0457-01) Collected: 20-Jul-19 By Joseph Clark						
pH	SM4500-H-B	AG92025	0.1	20-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92123	0.05	21-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92019	1.8	22-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92019	1.8	22-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960457

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Joseph Clark	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	7/20/19	10:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/15.7°
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph L. Clark	Joseph Clark (IPC)	7/20/19	10:25
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	7/20/19	1025
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	7/20/19	11:44

Sample Received Checklist

Temperature upon receipt: 7°

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

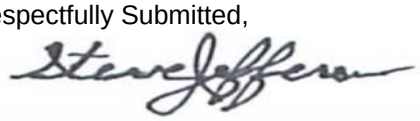
Attention: Ric Vardel
Report Date: 25-Jul-19 14:37
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0460-01) Collected: 21-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG92127	0.1	21-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92326	0.05	22-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92122	1.8	23-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92122	1.8	23-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960460

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	7/21/19	09:51	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.49/22.9°
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	7/21/19	13:15
Received by		Jordan Corkery (Pat Chem)	7/21/19	13:15
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	7/21/19	1443

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 8°
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jul-19 14:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0481-01) Collected: 22-Jul-19 By c. A.						
pH	SM4500-H-B	AG92325	0.1	22-Jul-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92326	0.05	23-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92221	1.8	24-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92221	1.8	24-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample ✓

Sample I.D.#: ~~1960479~~ 1960481

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. Ochoa	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	07/22/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/17.3°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ochoa	Carlos Alvarez (SPC)	07/22/19	12:15
Received by	[signature]	Armando Olmos (Patchem)	7/22/19	12:15
Relinquished by	[signature]	Armando Olmos (Patchem)	7/22/19	13:30
Received by				
Relinquished by				
Received in lab by	[signature]	Jaime Portela	7/22/19	13:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 11:27
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0513-01) Collected: 23-Jul-19 By ao of PCL						
pH	SM4500-H-B	AG92428	0.1	23-Jul-19 (EG)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92427	0.05	24-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92340	1.8	25-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92340	1.8	25-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G8513

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	07/23/19	1035	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.47 / 16.6 °C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3PC)	07/23/19	12:10
Received by		Armando Olmos (PatChem)	7/23/19	12:10
Relinquished by		Armando Olmos (PatChem)	7/23/19	13:45
Received by				
Relinquished by				
Received in lab by		Jairo Parada	7/23/19	13:45

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Aug-19 15:57
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0551-01) Collected: 24-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AG93024	0.10	02-Aug-19 (SGS)	0.36 mg/l	
Nitrate as N	EPA 353.2	AG92430	0.02	25-Jul-19 (SGS)	0.11 mg/l	
Nitrite as N	EPA 353.2	AG92430	0.02	25-Jul-19 (SGS)	0.09 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG92514	0.10	26-Jul-19 (LA)	2.10 mg/l	
Total Suspended Solids	SM 2540D	AG92512	1	25-Jul-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19G0551-02) Collected: 23-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG92511	2	30-Jul-19 (REM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0551

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. D.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/24/19	1100	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	07/23/19	0000	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	07/24/19	
Received by		Jairo Mejivar	7-24-19	12:30pm
Relinquished by		Jairo Mejivar	7-24-19	3:00pm
Received by				
Relinquished by				
Received in lab by		Jaita Patwa	7/24/19	15:00

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 11:29
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0550-01) Collected: 24-Jul-19 By c. A.						
pH	SM4500-H-B	AG92517	0.1	24-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92516	0.05	25-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92426	1.8	26-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92426	1.8	26-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960550

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/24/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	07/24/19	
Received by		Jairo Mendivar	7-24-19	12:30pm
Relinquished by		Jairo Mendivar	7-24-19	3:00pm
Received by				
Relinquished by				
Received in lab by		Jairo Parada	7/24/19	15:00

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

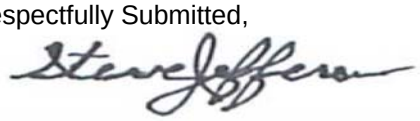
Attention: Ric Vardel
Report Date: 01-Aug-19 12:01
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0553-01) Collected: 24-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG92511	2	30-Jul-19 (REM)	332 mg/l	
Total Suspended Solids	SM 2540D	AG92512	1	25-Jul-19 (EA)	85 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19Q0563

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/[redacted]/19	0000	1	TSS	[redacted] Composite	AQ	1L P	4°C	
"	"	"	1	BOD	[redacted] Composite	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	07/24/19	
Received by		Jairo Menjivar	7-24-19	1K:30PM
Relinquished by		Jairo Menjivar	7-24-19	3:00PM
Received by				
Relinquished by				
Received in lab by		Sadie Parada	7/24/19	15:00

Sample Received Checklist

Temperature upon receipt: 4oc
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 11:32
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0571-01) Collected: 25-Jul-19 By AO of PCL						
pH	SM4500-H-B	AG92517	0.1	25-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92610	0.05	26-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92513	1.8	27-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92513	1.8	27-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0571

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	07/25/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/17.8°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cael)	07/25/19	12:05
Received by		Armando Ochoa (PatChem)	7/25/19	12:05
Relinquished by		Armando Ochoa (PatChem)	7/25/19	13:15
Received by				
Relinquished by				
Received in lab by		Taira Parada	7/25/19	13:15

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 11:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0584-01) Collected: 26-Jul-19 By AO of PCL						
pH	SM4500-H-B	AG92717	0.1	26-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92718	0.05	27-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92609	1.8	28-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92609	1.8	28-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960504

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	7/26/19	10:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.53/13.5°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/26/19	11:00
Received by:	Armando Olmos (Pat-Chem)	7/26/19	12:05
Relinquished by:	Armando Olmos (Pat-Chem)	7/26/19	14:35
Received by:			
Relinquished by:			
Received in lab by:	Jaime Portugal	7/26/19	14:35

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 11:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0600-01) Collected: 27-Jul-19 By Joseph Clark						
pH	SM4500-H-B	AG92824	0.1	27-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92823	0.05	28-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92716	1.8	29-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92716	1.8	29-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960600

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Joseph Clark	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/27/19	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	7/27/19	9:50
Received by: RM	RM (PCL)	7/27/19	15:14
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	7/27/19	16:25

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other
Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations:
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 11:51
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0605-01) Collected: 28-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG92824	0.1	28-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92825	0.05	28-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92818	1.8	30-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92818	1.8	30-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960605

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	7/28/19	09:27	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 22.9
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN 7/28/19 (IPC)	7/28/19	1245
Received by	Jordan Corkery	7/28/19	1245
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	7/28/19	13:55

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 7°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

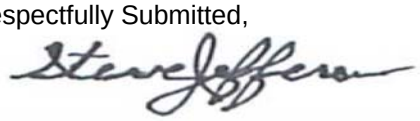
Attention: Ric Vardel
Report Date: 01-Aug-19 11:53
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0617-01) Collected: 29-Jul-19 By C. A.						
pH	SM4500-H-B	AG93119	0.1	29-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92933	0.05	29-Jul-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92925	1.8	31-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92925	1.8	31-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 196067

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	07/24/19	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.53/21.8°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (Pat-Chem)	07/24/19	12:05
Received by		Armando Olmos (Pat-Chem)	7/24/19	12:05
Relinquished by		Armando Olmos (Pat-Chem)	7/24/19	13:40
Received by				
Relinquished by				
Received in lab by		Jaira Parada	7/24/19	13:40

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 11:56
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0641-01) Collected: 30-Jul-19 By C. A.						
pH	SM4500-H-B	AG93119	0.1	30-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG93029	0.05	30-Jul-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG93032	1.8	01-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG93032	1.8	01-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0641

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	07/30/19	1020	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.47/22.8°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (CA)	07/30/19	12:10
Received by		Armando Olmos (PatChem)	7/30/19	12:10
Relinquished by		Armando Olmos (PatChem)	7/30/19	13:45
Received by				
Relinquished by				
Received in lab by		Jaito Parada	7/30/19	13:45

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

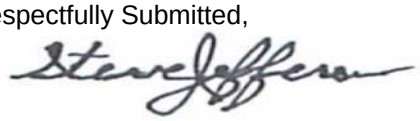
Attention: Ric Vardel
Report Date: 08-Aug-19 16:29
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0678-01) Collected: 30-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH90115	2	06-Aug-19 (REM)	382 mg/l	
Total Suspended Solids	SM 2540D	AH90113	1	01-Aug-19 (EA)	186 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/8/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19G0678

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: C. [illegible],	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv	Field Data (pH / Temperature) pH: Field Lab
INF	07/30/19	0000	1	TSS	Composite Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Composite Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. [illegible]	Carlos Alvarez (IPC)	07/31/19	12:15
Received by	[illegible]	Armando Olmos (Pat-Chem)	7/31/19	12:15
Relinquished by	[illegible]	Armando Olmos (Pat-Chem)	7/31/19	13:45
Received by				
Relinquished by				
Received in lab by	[illegible]	Taio Rentada	7/31/19	13:45

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

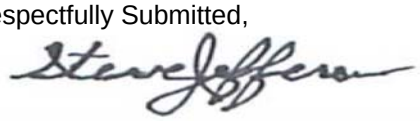
Attention: Ric Vardel
Report Date: 05-Aug-19 12:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0672-01) Collected: 31-Jul-19 By C. A.						
pH	SM4500-H-B	AH90112	0.1	31-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90111	0.05	01-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG93120	1.8	02-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG93120	1.8	02-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/5/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960672

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	07/31/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/20.1°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CA)	07/31/19	12:15
Received by		Hernandez Amos (PatChem)	7/31/19	12:15
Relinquished by		Hernandez Amos (PatChem)	7/31/19	13:45
Received by				
Relinquished by				
Received in lab by		Jaime Posadas	7/31/19	13:45

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Aug-19 16:34
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0679-01) Collected: 31-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AH90622	0.10	06-Aug-19 (SGS)	0.20 mg/l	
Nitrate as N	EPA 353.2	AH90107	0.02	01-Aug-19 (SGS)	1.03 mg/l	
Nitrite as N	EPA 353.2	AH90107	0.02	01-Aug-19 (SGS)	0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH90533	0.10	06-Aug-19 (LA)	0.77 mg/l	
Total Suspended Solids	SM 2540D	AH90113	1	01-Aug-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19G0679-02) Collected: 30-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH90115	2	06-Aug-19 (REM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/8/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960679

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/31/19	1100	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	07/30/19	0000	1	BOD	Composite	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (CAE)	07/31/19	12:15
Received by		Hemavasu Omnes (PatChem)	7/31/19	12:15
Relinquished by		Hemavasu Omnes (PatChem)	7/31/19	13:45
Received by				
Relinquished by				
Received in lab by		Jairo Parada	7/31/19	13:45

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

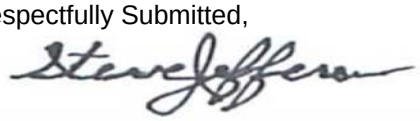
Attention: Ric Vardel
Report Date: 05-Aug-19 12:37
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0020-01) Collected: 01-Aug-19 By C. A.						
pH	SM4500-H-B	AH90119	0.1	01-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90215	0.05	02-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90110	1.8	03-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90110	1.8	03-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/5/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 194880

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. D.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/01/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.49 / 20.0°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	08/01/19	12:15
Received by		Hermenegildo Olivas (Pat-Chem)	8/1/19	12:15
Relinquished by		Hermenegildo Olivas (Pat-Chem)	8/1/19	14:10
Received by				
Relinquished by				
Received in lab by		Jaito Partida	8/1/19	17:10

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Aug-19 12:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0047-01) Collected: 02-Aug-19 By C. A.						
pH	SM4500-H-B	AH90317	0.1	02-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90318	0.05	03-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90214	1.8	04-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90214	1.8	04-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/5/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 191100447

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/02/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48 / 18.5°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (SPL)	08/02/19	12:10
Received by		Hermenegildo Olmos (Pat Chem)	8/2/19	12:10
Relinquished by		Hermenegildo Olmos (Pat Chem)	8/2/19	13:35
Received by				
Relinquished by				
Received in lab by		Jaime Parada	8/2/19	13:35

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	~~Yes~~	No
Samples intact?	~~Yes~~	No
Samples properly preserved?	~~Yes~~	No
Samples in holding time?	~~Yes~~	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Aug-19 13:29
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0040-01) Collected: 02-Aug-19 By Carlos Alvarez						
Boron	EPA 200.7	AH90525	0.10	06-Aug-19 (AF)	0.36 mg/l	
MBAS	SM 5540C	AH90320	0.20	03-Aug-19 (JC)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AH90742	5	08-Aug-19 (PL)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AH91226	0.03	12-Aug-19 (LA)	0.08 mg/l	
Total Dissolved Solids	SM 2540C	AH90422	5	05-Aug-19 (REM)	892 mg/l	
Chloride	EPA 300.0	AH90530	1.0	05-Aug-19 (AV)	250 mg/l	
Sulfate as SO4	EPA 300.0	AH90530	0.5	05-Aug-19 (AV)	168 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/15/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0040

Customer: IPC, Inc.		Project: (MCC) Monthly EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/2/19	10:30	1	SO4, Cl, TDS	Grab	AQ	1/2	4°C	
	↓	↓	1	MBAS	Grab	AQ	Gal. P 500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/02/19	12:10
Received by		Hernando Olmos (Pat-Chem)	8/2/19	12:10
Relinquished by		Hernando Olmos (Pat-Chem)	8/2/19	13:35
Received by				
Relinquished by				
Received in lab by		Julio Parada	8/2/19	13:35

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Aug-19 17:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0059-01) Collected: 03-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AH90420	0.1	03-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90419	0.05	04-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90316	1.8	05-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90316	1.8	05-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1970059

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Joseph Clark	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/3/19	10:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/3/19	10:40
Received by: RM	RM (PCL)	08/03/19	15:30
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	08/03/19	16:25

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Aug-19 17:04
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0063-01) Collected: 04-Aug-19 By Victor Arikian						
pH	SM4500-H-B	AH90737	0.1	04-Aug-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90534	0.05	05-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90418	1.8	06-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90418	1.8	06-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0063

(MCC) Daily EFF

Customer: IPC, Inc.	**Project :**
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:** VICTOR ARIKIAN
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-4-19	10:01	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	8-4-19	
Received by	RM (PCL)	8/4/19	1420
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	8/4/19	1650

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Aug-19 17:06
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0080-01) Collected: 05-Aug-19 By C.A.						
pH	SM4500-H-B	AH90737	0.1	05-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90534	0.05	05-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90536	1.8	07-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90536	1.8	07-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0080

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. D.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/05/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56 / 17.4°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	08/05/19	12:15
Received by		Armando Olmos (Pat-Chem)	8/5/19	12:15
Relinquished by		Armando Olmos (Pat-Chem)	8/5/19	14:30
Received by				
Relinquished by				
Received in lab by		Jaime Parada	8/5/19	14:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Aug-19 16:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0110-01) Collected: 06-Aug-19 By CM of PCL						
pH	SM4500-H-B	AH90737	0.1	06-Aug-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90738	0.05	07-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90624	1.8	08-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90624	1.8	08-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190110

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	08/06/19	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3 / 26.2°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cate)	08/06/19	12:05
Received by		Cindy Mariner TCC	8-6-19	12:25
Relinquished by		Cindy	8-6-19	14:52
Received by				
Relinquished by				
Received in lab by		Jaime Pineda	8/6/19	14:52

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

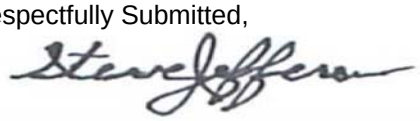
Attention: Ric Vardel
Report Date: 16-Aug-19 16:53
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19H0183-01) Collected: 06-Aug-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AH90810	2	13-Aug-19 (REM)	266 mg/l	
Total Suspended Solids	SM 2540D	AH90819	1	09-Aug-19 (EA)	128 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 14HO.83

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	8/6/19	0:00	1	TSS	~~Grab~~ Comp	AQ	1L P	4°C	
	"	~	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/7/19	
Received by	Jairo Menjivar	8-7-19	12:~~45~~
Relinquished by	Jairo Menjivar	8-7-19	15:00
Received by			
Relinquished by			
Received in lab by	Jairo Perez	8/7/19	13:10

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

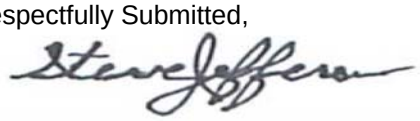
Attention: Ric Vardel
Report Date: 20-Aug-19 16:43
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0181-01) Collected: 07-Aug-19 By GK						
pH	SM4500-H-B	AH90812	0.1	07-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90749	0.05	07-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90736	1.8	09-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90736	1.8	09-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0181

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/7/19	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: iPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/7/19	
Received by	Jairo Monitor	8-7-19	12:48PM
Relinquished by	Jairo Monitor	8-7-19	15:00
Received by			
Relinquished by			
Received in lab by	Jake Rock	8/7/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

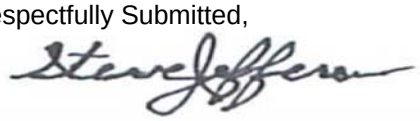
Attention: Ric Vardel
Report Date: 16-Aug-19 16:55
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0182-01) Collected: 07-Aug-19 By Golan Kfir						
Ammonia as N	EPA 350.1	AH90907	0.10	09-Aug-19 (SGS)	0.25 mg/l	
Nitrate as N	EPA 353.2	AH90821	0.02	08-Aug-19 (LA)	0.84 mg/l	
Nitrite as N	EPA 353.2	AH90821	0.02	08-Aug-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH91225	0.10	13-Aug-19 (LA)	1.72 mg/l	
Total Suspended Solids	SM 2540D	AH90819	1	09-Aug-19 (EA)	<1 mg/l	
EFF Comp (Sample I.D.# : 19H0182-02) Collected: 06-Aug-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH90810	2	13-Aug-19 (REM)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0182

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/7/19	11:40	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	8/6/19	0:00	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/7/19	
Received by	Jairo Medivar	8-7-19	12:48pm
Relinquished by	Jairo Medivar	8-7-19	15:00
Received by			
Relinquished by			
Received in lab by	Jairo Paredes	8/7/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Aug-19 16:46
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0209-01) Collected: 08-Aug-19 By c. A.						
pH	SM4500-H-B	AH90910	0.1	09-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90909	0.05	09-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90811	1.8	10-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90811	1.8	10-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1970209

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/7/19	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: iPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/7/19	
Received by	Jairo Monitor	8-7-19	12:48PM
Relinquished by	Jairo Monitor	8-7-19	15:00
Received by			
Relinquished by			
Received in lab by	Jake Rock	8/7/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Aug-19 16:48
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0225-01) Collected: 09-Aug-19 By Golan Kfir						
pH	SM4500-H-B	AH91017	0.1	09-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91016	0.05	10-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90908	1.8	11-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90908	1.8	11-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1911225

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/08/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.45/22.7°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	08/08/19	12:05
Received by		Fernando Gomez (Patchem)	8/8/19	12:05
Relinquished by		Fernando Gomez (Patchem)	8/9/19	14:15
Received by				
Relinquished by				
Received in lab by		Saito Rajan	8/9/19	14:15

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Aug-19 16:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0242-01) Collected: 10-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AH91117	0.1	10-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91118	0.05	11-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91018	1.8	12-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91018	1.8	12-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19140242

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Joseph Clark	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/10/19	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/10/19	10:15
Received by: RM	RM (PCL)	8/10/19	15:00
Relinquished by			
Received by			
Relinquished by			
Received in lab by: Jordan Corkery	Jordan Corkery	8/10/19	16:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

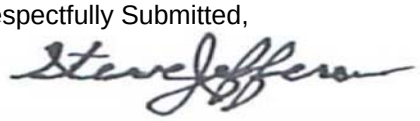
Attention: Ric Vardel
Report Date: 21-Aug-19 17:44
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0246-01) Collected: 11-Aug-19 By Victor Arikian						
pH	SM4500-H-B	AH91128	0.1	11-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91127	0.05	11-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91116	1.8	13-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91116	1.8	13-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0246

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-11-19	09:36	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	8-11-19	11:20
Received by		Jordan Corkery (PatChem)	8-11-19	11:20
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	8-11-19	12:54

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 6°
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Aug-19 17:47
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0260-01) Collected: 12-Aug-19 By C. A.						
pH	SM4500-H-B	AH91432	0.1	12-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91230	0.05	12-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91229	1.8	14-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91229	1.8	14-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0260

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/12/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 10.6°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/12/19	12:15
Received by		Armando Olmos (Patchem)	8/12/19	12:15
Relinquished by		Armando Olmos (Patchem)	8/12/19	13:25
Received by				
Relinquished by				
Received in lab by		Jaime Padilla	8/12/19	13:25

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Aug-19 17:49
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0297-01) Collected: 13-Aug-19 By GK						
pH	SM4500-H-B	AH91432	0.1	13-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91434	0.05	14-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91337	1.8	15-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91337	1.8	15-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19HO297

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/13/19	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/13/19	1135
Received by:	Alex Walk Jr (IPC)	8/13/19	1135
Relinquished by:			
Received by:			
Relinquished by:	Alex Walk Jr	8/13/19	1419
Received in lab by:	Jairo Parada	8/13/19	14:19

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

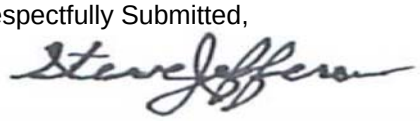
Attention: Ric Vardel
Report Date: 21-Aug-19 17:37
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19H0329-01) Collected: 13-Aug-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AH91521	2	20-Aug-19 (REM)	365 mg/l	
Total Suspended Solids	SM 2540D	AH91511	1	15-Aug-19 (SGS)	215 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0329

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/13/19	0000	1	TSS	Composite / Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Composite / Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	08/14/19	12:15
Received by	Hermenegildo Amos (PatChem)	8/14/19	12:15
Relinquished by	Hermenegildo Amos (PatChem)	8/14/19	14:25
Received by			
Relinquished by			
Received in lab by	Jaime Patzan	8/14/19	14:25

Sample Received Checklist

Temperature upon receipt: 4oc

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Aug-19 17:51
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0327-01) Collected: 14-Aug-19 By C. A.						
pH	SM4500-H-B	AH91516	0.1	14-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91517	0.05	15-Aug-19 (JC)	0.20 mg/l	
Fecal Coliforms	SM 9221E	AH91435	1.8	16-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91435	1.8	16-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1940327

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/14/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.53/23.9°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	08/14/19	12:15
Received by	Armando Olmos (Pat-Chem)	8/14/19	12:15
Relinquished by	Armando Olmos (Pat-Chem)	8/14/19	14:25
Received by			
Relinquished by			
Received in lab by	Jaime Parada		

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Aug-19 17:40
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0328-01) Collected: 14-Aug-19 By C. A.						
Ammonia as N	EPA 350.1	AH91512	0.10	15-Aug-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AH91508	0.02	15-Aug-19 (LA)	0.55 mg/l	
Nitrite as N	EPA 353.2	AH91508	0.02	15-Aug-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH91931	0.10	20-Aug-19 (LA)	0.73 mg/l	
Total Suspended Solids	SM 2540D	AH91511	1	15-Aug-19 (SGS)	<1 mg/l	
EFF (Sample I.D.# : 19H0328-02) Collected: 13-Aug-19 By C. A.						
Biochemical Oxygen Demand	SM 5210B	AH91521	2	20-Aug-19 (REM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0329

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/14/19	1145	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	08/13/19	0000	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arrieta (IPC)	08/14/19	17:15
Received by		[illegible] (Pat-Chem)	8/14/19	17:15
Relinquished by		[illegible] (Pat-Chem)	8/14/19	14:25
Received by				
Relinquished by				
Received in lab by		Jaiza Parada	8/14/19	14:25

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Aug-19 13:47
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0364-01) Collected: 15-Aug-19 By C. A.						
pH	SM4500-H-B	AH91613	0.1	15-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91614	0.05	16-Aug-19 (JC)	0.09 mg/l	
Fecal Coliforms	SM 9221E	AH91519	1.8	17-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91519	1.8	17-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910364

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/15/19	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/24.2°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (SRL)	08/15/19	12:00
Received by		Armando Ochoa (Patchem)	8/15/19	12:00
Relinquished by		Armando Ochoa (Patchem)	8/15/19	15:30
Received by				
Relinquished by				
Received in lab by		Jaira Parada	8/15/19	15:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Aug-19 13:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0416-01) Collected: 16-Aug-19 By C. A.						
pH	SM4500-H-B	AH91716	0.1	16-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91717	0.05	17-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91612	1.8	18-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91612	1.8	18-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1914416

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. A.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/16/19	0900	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. A.	Carlos A Ward (CAW)	08/16/19	
Received by	EG	Evan G (PCL)	8.16.19	1330
Relinquished by	EG	Evan G (PCL)	8.16.19	1430
Received by				
Relinquished by				
Received in lab by		Jane Parker	08/16/19	14:30

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

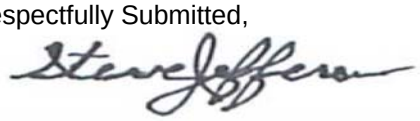
Attention: Ric Vardel
Report Date: 23-Aug-19 13:52
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0425-01) Collected: 17-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AH91819	0.1	17-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91820	0.05	18-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91715	1.8	19-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91715	1.8	19-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0425

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Joseph Clark	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/17/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/17/19	1035
Received by: RM	RM (PCL)	8/17/19	1440
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:			

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

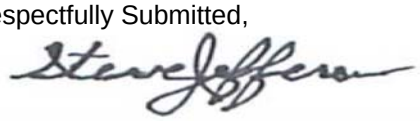
Attention: Ric Vardel
Report Date: 23-Aug-19 13:53
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0430-01) Collected: 18-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AH91823	0.1	18-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91824	0.05	18-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91818	1.8	20-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91818	1.8	20-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0430

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Joseph Clark	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/18/19	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/18/19	10:59
Received by:	RM (PCL)	8/18/19	11:30
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery		8/18/19	13:25

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

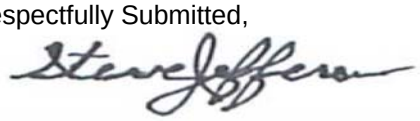
Attention: Ric Vardel
Report Date: 23-Aug-19 13:56
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0439-01) Collected: 19-Aug-19 By Golan Kfir						
pH	SM4500-H-B	AH92022	0.1	19-Aug-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92023	0.05	20-Aug-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91935	1.8	21-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91935	1.8	21-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 191439

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	8/19/19	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/18.3°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/19/19	12:30
Received by	Armando amos (Patchem)	8/19/19	12:30
Relinquished by	Armando amos (Patchem)	8/19/19	14:15
Received by			
Relinquished by			
Received in lab by	Jairo Parada	9/19/19	14:15

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	~~Yes~~	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 26-Aug-19 14:52
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0471-01) Collected: 20-Aug-19 By CA						
pH	SM4500-H-B	AH92133	0.1	20-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92134	0.05	21-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92027	1.8	22-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92027	1.8	22-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1911047|

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/20/19	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42/21.2°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	08/20/19	12:40
Received by		ARMANDO ALVAREZ (PCL)	8/20/19	12:40
Relinquished by		ARMANDO ALVAREZ (PCL)	8/20/19	15:00
Received by				
Relinquished by				
Received in lab by		Jaira Parada	8/20/19	15:00

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

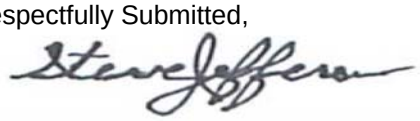
Attention: Ric Vardel
Report Date: 30-Aug-19 14:13
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19H0510-01) Collected: 20-Aug-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AH92216	2	27-Aug-19 (REM)	427 mg/l	
Total Suspended Solids	SM 2540D	AH92218	1	22-Aug-19 (EA)	242 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910510

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/20/19	0000	1	TSS	Composite Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Composite Grab	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/21/19	17:35
Received by		Hermenegildo Amos (Pat-Chem)	8/21/19	17:35
Relinquished by		Hermenegildo Amos (Pat-Chem)	8/21/19	15:35
Received by				
Relinquished by				
Received in lab by		Jairo Parada	8/21/19	15:35

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? ~~Yes~~ No

Samples in holding time? ~~Yes~~ No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 26-Aug-19 14:56
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0509-01) Collected: 21-Aug-19 By CA						
pH	SM4500-H-B	AH92213	0.1	21-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92214	0.05	22-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92132	1.8	23-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92132	1.8	23-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0509

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/21/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44 / 18.3°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	8/21/19	13:35
Received by		Apantano Olmos (Patchem)	8/21/19	1335
Relinquished by		Apantano Olmos (Patchem)	8/21/19	15:35
Received by				
Relinquished by				
Received in lab by		Jairo Parada	8/21/19	15:35

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

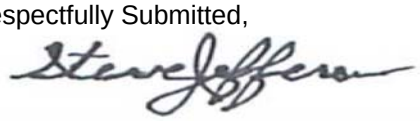
Attention: Ric Vardel
Report Date: 30-Aug-19 14:11
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0511-01) Collected: 21-Aug-19 By C. A.						
Ammonia as N	EPA 350.1	AH92209	0.10	22-Aug-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AH92210	0.02	22-Aug-19 (SGS)	1.22 mg/l	
Nitrite as N	EPA 353.2	AH92210	0.02	22-Aug-19 (SGS)	0.06 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH92733	0.10	28-Aug-19 (LA)	1.10 mg/l	
Total Suspended Solids	SM 2540D	AH92218	1	22-Aug-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19H0511-02) Collected: 20-Aug-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH92216	2	27-Aug-19 (REM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0511

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/21/19	1030	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	08/20/19	0000	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	08/21/19	17:35
Received by		Armando Olmos (PatChem)	8/21/19	15:35
Relinquished by		Armando Olmos (PatChem)	8/21/19	15:35
Received by				
Relinquished by				
Received in lab by		Jairo Patada	8/21/19	15:35

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 26-Aug-19 14:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0545-01) Collected: 22-Aug-19 By AO of PCL						
pH	SM4500-H-B	AH92310	0.1	22-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92311	0.05	23-Aug-19 (JC)	0.07 mg/l	
Fecal Coliforms	SM 9221E	AH92212	1.8	24-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92212	1.8	24-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0545

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** Mike Jahromi	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/22/19	12:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/15.0°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Mike Jahromi IPC	08/22/19	12:25
Received by	Armando Ramos (PCL)	8/22/19	12:25
Relinquished by	Armando Ramos (PCL)	8/22/19	14:35
Received by			
Relinquished by			
Received in lab by	Jairo Perez	8/22/19	14:35

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 26-Aug-19 15:00
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0564-01) Collected: 23-Aug-19 By Carlos Alvarez						
pH	SM4500-H-B	AH92424	0.1	23-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92425	0.05	24-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92309	1.8	25-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92309	1.8	25-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0564

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/23/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name	(Company)	Date	Time
Relinquished by		Carlos Alvarez	(IPC)	08/23/19	
Received by	EB		AM	8-23-19	1200
Relinquished by	EB		IM	8-23-19	1400
Received by					
Relinquished by					
Received in lab by		MARIO SANTESTEBAN	(PCC)	8/23/19	1400

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

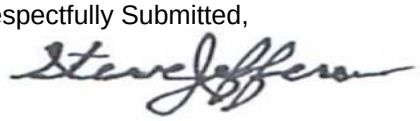
Attention: Ric Vardel
Report Date: 30-Aug-19 14:00
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0571-01) Collected: 24-Aug-19 By Victor Arikian						
pH	SM4500-H-B	AH92528	0.1	24-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92527	0.05	25-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92423	1.8	27-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92423	1.8	27-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1940571

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-24-19	09:44	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	8-24-19	09:46
Received by		RM (PCL)	8/24/19	14:50
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jaime Parada	8/24/19	16:27

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Aug-19 14:02
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0577-01) Collected: 25-Aug-19 By Victor Arikian						
pH	SM4500-H-B	AH92621	0.1	26-Aug-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92622	0.05	26-Aug-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92526	1.8	27-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92526	1.8	27-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0577

Customer:	IPC, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	VICTOR ARIKIAN
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-25-19	09:49	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	8-25-19	09:49
Received by		RM (PCL)	8/25/19	1140
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jairo Parra	8/26/19	11:40

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Aug-19 14:04
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0591-01) Collected: 26-Aug-19 By C. A.						
pH	SM4500-H-B	AH92915	0.1	26-Aug-19 (JC)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92734	0.05	27-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92631	1.8	28-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92631	1.8	28-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0591

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. Alarcon	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/26/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.68
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alarcon	Carlos Alarcon (IPC)	08/26/19	
Received by	EB	Cindy M	8.26.19	1200
Relinquished by	EB	Cindy M	8.26.19	1400
Received by				
Relinquished by				
Received in lab by		Jaime Parada	8/26/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

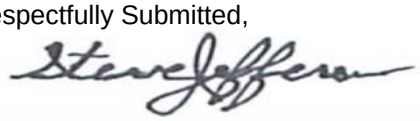
Attention: Ric Vardel
Report Date: 30-Aug-19 14:06
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0629-01) Collected: 27-Aug-19 By gK						
pH	SM4500-H-B	AH92915	0.1	27-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92734	0.05	27-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92735	1.8	29-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92735	1.8	29-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0629

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan KFY	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	8/27/19	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.41 / 15.3°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/27/19	12:20
Received by: [illegible]	[illegible]	8/27/19	12:20
Relinquished by: [illegible]	[illegible]	8/27/19	14:15
Received by			
Relinquished by			
Received in lab by: [illegible]	Jairo Parada	8/27/19	14:15

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

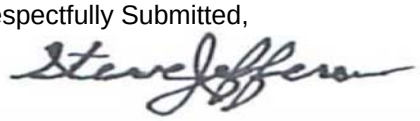
Attention: Ric Vardel
Report Date: 04-Sep-19 11:40
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19H0654-01) Collected: 27-Aug-19 By c. A.						
Biochemical Oxygen Demand	SM 5210B	AH92916	2	03-Sep-19 (REM)	268 mg/l	
Total Suspended Solids	SM 2540D	AH92917	1	29-Aug-19 (EA)	128 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 911b654

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/27/19	0000	1	TSS	~~Grab~~ Comp	AQ	1L P	4°C	
1	1	1	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/28/19	
Received by		Jairo Menjivar	8/28	12:30P
Relinquished by		Jairo Menjivar	8/28	3:00P
Received by				
Relinquished by				
Received in lab by		Jairo Rivas	8/28/19	15:0

Sample Received Checklist

Temperature upon receipt: 4.0°
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? ~~Yes~~ No
Samples in holding time? ~~Yes~~ No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which have agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (or services agreed upon) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in written which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. Any variant or additional terms and conditions expressed in a client's document shall be deemed to be only a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), QA Watchdog (QAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the lowliest amount for said services. Client's acceptance of a work order or a bid proposal releases PCL from any liability or claims in the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions at and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for, delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the services materials provided by client or at client's request and the results obtained by PCL shall at no time be disclosed to any such individual or organization available to the public or to the public at large or client has filed to pay PCL for all services rendered and otherwise in accord of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for any disclosure inadvertent or otherwise, not caused by PCL's gross negligence or willful misconduct. PCL agrees to use reasonable commercial care for the exclusive use and benefit of client and client agrees that it shall be solely responsible for all use of reports, data or information. Client will not publish or allow to any third party any interpretation, opinion or conclusion without written consent of PCL.

10 Hold Harmless

Client hereby agrees to at all times, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses, damages, claims, demands, causes of action, suits and proceedings, including, but not limited to all costs thereto, including attorneys fees and costs arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or client's failure, handling or disposal of client's hazardous materials. 2. Injury, damage or death of persons 3. Loss of, damage to, breach of, loss of use of, property and/or 4. Environmental damage of every kind or character. The indemnity does not apply to any of the foregoing losses, claims, damages or liabilities which arise out of the sole negligence or willful misconduct of PCL or its employees. Further, the indemnity shall continue, apply to, cover, name and apply against any and every claim and cause of action set forth in this section, even after the termination of this agreement. The foregoing indemnities will be in addition to any liability which the client may have to PCL and the PCL shall be compensated for such. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruption, expenses or other fees including without limitation, attorney's fees, court costs, fines for and in each judgment collection, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement except claims in the grounding party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples exclusively for analysis (such as asbestos, polychlorinated biphenyls, Barbecue or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous Material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portion of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policies. In addition, all samples received by PCL for any/all biological analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable prices and rates in effect at the time of execution of the date the services were rendered or with prices quoted and later confirmed in writing. Price schedules subject to change at any time without notice. Payment in advance or when invoice is completed is required for all new clients or until a history of payment and/or credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are Net 15 days with thirty (30) days from date of invoice. To the fullest extent permitted by all applicable law, any amount unpaid within the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law of one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees for specific fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the residents of any entity, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. For analyses with holding times of 24 hours or less, samples must arrive within 16 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before inspection to ensure that the holding times can be met. Short holding times of 48 hours or less (turnaround 8-9 hours) must be delivered the same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been listed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Aug-19 14:08
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0658-01) Collected: 28-Aug-19 By gK						
pH	SM4500-H-B	AH92915	0.1	28-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92836	0.05	28-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92831	1.8	30-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92831	1.8	30-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 14to458

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/28/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/28/19	
Received by		Jairo Ramirez	8/28	1230PM
Relinquished by		Jairo Ramirez	8/28	3:30PM
Received by				
Relinquished by				
Received in lab by		Jairo Ramirez	9/28/19	1530

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule, as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

the client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No conflicting or additional terms and condition expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), U.S. Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) for the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples made/taken provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, operators, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees, fine, judgment and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or 1. transportation, handling or disposal of client's hazardous materials, 2. injury, illness or death of persons, 3. loss of, damage to, loss of, or loss of use of property and or, 4. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which coverage shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption). Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or the services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or described as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portion of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos personal analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect on the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or credit analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to these Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative. Additional authorization orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries/No Right of Reliance

PCL shall have non responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 168 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without levying a rush surcharge. All short holding times, 0-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

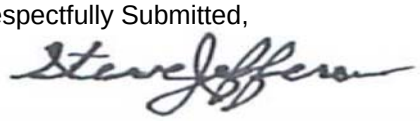
Attention: Ric Vardel
Report Date: 04-Sep-19 16:33
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0660-01) Collected: 28-Aug-19 By C. A.						
Ammonia as N	EPA 350.1	AI90429	0.10	04-Sep-19 (SGS)	0.15 mg/l	
Nitrate as N	EPA 353.2	AH92913	0.02	29-Aug-19 (SGS)	0.70 mg/l	
Nitrite as N	EPA 353.2	AH92913	0.02	29-Aug-19 (SGS)	0.07 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH92921	0.10	30-Aug-19 (LA)	0.67 mg/l	
Total Suspended Solids	SM 2540D	AH92917	1	29-Aug-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19H0660-02) Collected: 27-Aug-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH92916	2	03-Sep-19 (REM)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0660

Customer: IPC, Inc.	Project : (MCC) Weekly EFF
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: C. [illegible]
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/28/19	1100	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	08/27/19	0000	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (IPC)	08/28/19	
Received by	[signature]	Jaird Manjivar	8/28	12:30PM
Relinquished by	[signature]	Jaird Manjivar	8/28	3:00PM
Received by				
Relinquished by				
Received in lab by	[signature]	Santo Rivera	8/29/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" (herein these "Terms and Conditions") sets forth the general terms and conditions of sale, including the price schedule, and any addendum or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or refreshed from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing its services.

3. Orders and Acceptance

PCL offers and will accept orders for services as defined herein only upon the following Terms and Conditions (the "Terms"). These Terms shall govern all of PCL and the Client shall have executed a separate agreement in writing which does not expressly state the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written order of consult (LOC) to PCL. Any such order/consult is an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and is an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No course of additional or this and conditions shall confirm a client's consent shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall include all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of care prevailing in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) for the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to select from these methodologies it necessary or appropriate based on the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Limitations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or own QA/QC policies. The total liability of PCL, its affiliates, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for assuring PCL of the safe and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the reports prepared solely and exclusively for Client pursuant to the terms of this LOC shall be held in confidence unless such information is generally available to the public at the time such information is first disclosed by PCL. In all services rendered or to be rendered in relation to the agreements subject to any disclosure required by law or legal process, PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data unless such standard was violated. PCL's reports and information provided hereunder are for the exclusive use and benefit of Client and PCL agrees that it shall not disclose to third parties any such reports, data or information. Client shall not disclose to any third party who is not a client any test results, software programs or other technologies.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all claims, losses, damages, causes of action, suits, and liabilities of every kind, including, but not limited to, attorneys' fees, litigation expenses and awards arising in favor of Client or any third party as a result of, relating to any way occurring incident to arising out of, or in connection with the performance of services by PCL and such holding agreement and/or any publication, handling or disposal of client's hazardous materials. Client hereby waives any and all claims against PCL and all agents, employees, officers, directors, successors and assigns of every kind and nature whatsoever. This indemnity shall not apply to any of the foregoing losses, claims, damages or injuries caused solely by the active negligence or willful misconduct of PCL or its employees, but this indemnity shall apply to any such losses, claims, damages or injuries caused by any negligent act or omission of Client or to any such losses, claims, damages or injuries caused by the active or passive negligence or willful misconduct of any third party, including but not limited to independent contractors, consultants and agents of Client, except for the sole negligence or willful misconduct of PCL. Client's duty to indemnify PCL includes the duty to defend it in any such claim, suit or action, with counsel of PCL's choice, provided that PCL reasonably cooperates in the defense of such claim, suit or action. Reasonable cooperation shall include, but not be limited to, making available all pertinent information under the control of Client, including witnesses, documents, retainers and experts, and obtaining the testimony of Client's witnesses and experts. Client's obligation to indemnify PCL includes reasonable attorneys' fees, costs, and other expenses incurred by PCL in connection with the defense of any claim, suit or action. In the event Client refuses or neglects to defend PCL as required and it is subsequently determined by a court of competent jurisdiction or by admission of Client that PCL was entitled to indemnification hereunder because Client refused or neglected to defend PCL, Client shall pay to PCL all costs, damages and attorneys' fees incurred by PCL in obtaining such indemnification.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide any PCL with reasonable information regarding samples and/or materials, properties of tested, hazards, and any other hazardous or noncontaminant, wastes and substances which are defined, determined or classified as such under federal, state or local laws, rules, PCL policies or regulations (collectively, "Hazardous Substances"). Client understands that PCL may perform services that may involve Hazardous Substances, and agrees that any Hazardous Material received by PCL from client or at client's request at all times the property of Client and that upon completion of PCL's services, PCL will dispose of unconsumed portions of samples as specified by client or by PCL's QA/QC policies, in the event the client does not specify its preferred method for disposal, PCL will return to the client all unused samples, also to contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis for metal analysis, client will be charged a sample disposal fee (per sample submitted) in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client agrees that PCL in accordance with PCL's applicable price in effect at the time of operations or the date the services were rendered or materials supplied and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or under terms is completely required for all new clients until a history of prompt payment and credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law an administration fee, any amount subject to the thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month or the unpaid balance. If unpaid amounts are submitted through legal proceedings or by an attorney, the client agrees to pay reasonable costs and attorney's fees in search that associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective unless in writing and executed by an officer of PCL and the client authorized representative. Verbal instructions orders for additional services may be carried out in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports to indirectly PCL. Client is retaining services hereunder for its own account, and not as agent or broker, or any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client waives, warrants, and agrees that said data, information, and reports are not negotiable, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or syndication of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification of or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or even mailed after 5pm on weekdays, without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times may be provided to the client if requested. All analyses with holding times of 24 days or less, samples must arrive within 96 hours to allow PCL to meet turning times without applying a rush surcharge. All short holding times (7 days), samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) should not be delivered after same day in order to meet short holding times be met. After hours, site delivery, freight company delays or sample receipt are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed at additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Sep-19 11:29
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0675-01) Collected: 29-Aug-19 By c. A.						
pH	SM4500-H-B	AH92931	0.1	29-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92932	0.05	29-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92914	1.8	31-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92914	1.8	31-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0675

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/29/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43/13.9°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	08/29/19	12:05
Received by		Armando Olmos (PAT-CHEM)	8/29/19	12:05
Relinquished by		Armando Olmos (Pat-Chem)	8/29/19	14:00
Received by				
Relinquished by				
Received in lab by		Jaime Padilla	8/29/19	19:00

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

"For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or Client has filed to pay PCL for all services rendered as it otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own proprietary data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence (or breach of contract) by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption). Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in Accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.50%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by attorneys, the Client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by authorized officers of PCL and by clients authorized representative. Acceptance of subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client requirements, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or in support of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours (unless otherwise noted) to meet holding times without applying a rush surcharge. All short holding times, 3-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Sep-19 11:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0693-01) Collected: 30-Aug-19 By AO of PCL						
pH	SM4500-H-B	AH93117	0.1	30-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH93118	0.05	31-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH93010	1.8	01-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH93010	1.8	01-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19H0693

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	08/30/19	0955	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50 / 12.7°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	Carlos Alvarez (C&pc)	08/30/19	11:35
Received by	Hernando Olmos (Pat-Chem)	8/30/19	11:35
Relinquished by	Hernando Olmos (Pat-Chem)	8/30/19	12:55
Received by			
Relinquished by			
Received in lab by	Jaime Parada	8/31/19	12:55

Sample Received Checklist

Temperature upon receipt: Lab/Ice

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions
2. Independent Contractor
3. Orders and Acceptance
4. Limit of Liability
5. Clients Responsibility
6. Cancellation
7. Overriding Agreement
8. Force Majeure
9. Confidentiality
10. Hold Harmless
11. Hazardous Substances
12. Prices/Payments
13. Agreement Modification
14. No Third Party Beneficiaries' No Right of Reliance
15. Rush Analysis
16. Holding Times
17. Sample Retention
18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Sep-19 11:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0705-01) Collected: 31-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AI90122	0.1	31-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90123	0.05	01-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH93116	1.8	02-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH93116	1.8	02-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: AHO705

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Joseph Clark	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/31/19	9:45A	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/31/19	0950
Received by: RM	RM (PCL)	8/31/19	1430
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	8/31/19	1656

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are sent to or sent by "Client" meaning the individual or entity who may request laboratory services, consulting or sampling services and receive a quote, work permit, receipt and representations. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing its services.

3. Orders and Acceptance

PCL offers and indicates orders for services are offered exclusively upon and subject to the following contractual terms and conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written order of services to/from PCL. Any such order constitutes an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and is an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services shall constitute the client's express assent to be governed by these terms and conditions. No ordinary or additional terms and conditions expressed in a client's documents shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purposes of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable. PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 40 Code of Federal Regulations (CFR), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or representatives to the client, arising out of or in connection with the services to be provided herein, shall not exceed the quoted amount for such services. Client's acceptance of a work order and /or analytical releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of this agreement (subject to any disclosure required by law or legal process). PCL agrees to maintain standard of care in accordance with industry practice. Data and charts will be released only to the client against payment of any and all sums owed to PCL. Any and all PCL reports and information prepared hereunder are for the exclusive use and benefit of Client and PCL agrees that it will not provide any third party with any reports, data or information regarding technical information, software, programs or other financial issues.

10. Hold Harmless

Client releases and indemnifies, defends and holds PCL, its employees, officers, directors, parents, affiliates, subsidiaries and agents harmless from and against any and all claims, losses and damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, court fees, litigation expenses and amounts arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or as related to any handling or disposal of client's hazardous materials. In no event, however, shall PCL be liable for any indirect, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses shall include, without limitation, attorney's fees, court costs, and the cost of in-house counsel employed by Client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client or the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples exclusively for analysis such as asbestos, polychlorinated biphenyls, herbicides or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL does not accept samples containing or consisting of items often encountered or unrecognized in any judicial or administrative interpretation of any, but not the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis shall be charged a sample disposal fee per sample submitted in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Except as set out in PCL's acceptance with PCL's applicable price schedule, no client shall have any of its claims on the other party waived, released or with prices quoted and fully paid for in advance. The prices set forth in the Price Schedule are subject to change at any time in the discretion of PCL. In addition, all prices are subject to change without notice in the event that PCL is unable to establish credit terms with the client. Unless otherwise established in writing, all invoices are due and payable in full upon receipt. The client's payment of charges are due 15 days from invoice date. In the event a client fails to pay its invoices, the client shall be responsible for all of PCL's collection costs and expenses including, but not limited to, attorney's fees, court costs and collection agency charges. If client's account is not paid when due, PCL shall be entitled to charge interest on the unpaid balance at the rate of 1.5% per month or the highest rate permitted by law, whichever is less. Client shall pay all taxes, duties and assessments of any nature, however designated, levied or imposed by any governmental authority on or measured by any transaction between PCL and client, including, but not limited to, sales, use, excise, value added, gross receipts, and services taxes, but excluding taxes based on the net income of PCL. Client shall pay all charges for services, whether or not client has received an invoice for such charges, within 30 days after the date of the invoice. Client shall pay interest on all late payments at the rate of 1.5% per month (18% per annum) or the maximum rate permitted by law, whichever is less. Client shall also pay all of PCL's costs of collection, including reasonable attorneys' fees, incurred in connection with the collection of late payments. Client shall pay all charges for services, whether or not client has received an invoice for such charges, within 30 days after the date of the invoice. Client shall pay interest on all late payments at the rate of 1.5% per month (18% per annum) or the maximum rate permitted by law, whichever is less. Client shall also pay all of PCL's costs of collection, including reasonable attorneys' fees, incurred in connection with the collection of late payments.

13. Agreement Modification

Changes to this agreement are not binding unless they are in writing and executed by an authorized representative of PCL and the client. Authorized representatives, except those subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use or reliance on data, information or reports provided by PCL. Client is securing services hereunder for its own account, and not as agent for others, or any other representative capacity. Any other person or entity is not agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports, or any representations, warranties, and agrees that any data, information and reports are not represented, or shall be used to relied upon, in connection with or as part of the performance, understanding, or utilization of any, securities, any persons, or other persons relating to the holders of any security, the pricing, appropriateness, reliability, or expression of any loan from any financial institution or other lender or the ability of any person to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are received on weekends or after business hours or holidays without prior notification and acceptance. Unrealistic holding times and storage conditions should be evaluated prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 days or less (samples must arrive within 96 hours to allow PCL to meet holding times within applying a rush surcharge. All short holding times (7-7 days, samples must arrive at the lab within 24 hours before application to ensure that the holding time can be met. Short holding times (7 days or less) are critical and it is found to not be sufficient for same day or next day to allow for analytical holding times are met. Short holding times, freight, customs delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the quote issue date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. However, in the event that a situation arises where pick up or sampling is unnecessary, delays during the pick up or sampling, inability to locate or access the

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

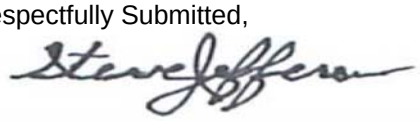
Attention: Ric Vardel
Report Date: 04-Sep-19 11:36
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0003-01) Collected: 01-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI90125	0.1	01-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90126	0.05	01-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90124	1.8	03-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90124	1.8	03-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0003

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	9-1-19	09:32	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46 / 26.6°
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (FPL)	9-1-19	09:32
Received by	Jordan Corkery (Pat-Chem)	9-1-19	11:32
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	9-1-19	1310

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 7°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Sep-19 11:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0008-01) Collected: 02-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI90322	0.1	02-Sep-19 (PL)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90331	0.05	03-Sep-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90218	1.8	04-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90218	1.8	04-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19IC008

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-2-19	09:12	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	9-2-19	09:12
Received by			9.2.19	1200
Relinquished by			9.2.19	1400
Received by		Jordan Corkery	9/2/19	1400
Relinquished by				
Received in lab by		Jordan Corkery	9/2/19	1400

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 6°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries; No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Sep-19 13:30
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0044-01) Collected: 03-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI90433	0.1	03-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90432	0.05	04-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90332	1.8	05-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90332	1.8	05-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0044

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** C. Alvarez	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/03/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	09/03/19	
Received by	[illegible]	[illegible]	9.3.19	1230
Relinquished by	[illegible]	[illegible]	9-3-19	1400
Received by				
Relinquished by				
Received in lab by			9/3/19	14:00

Sample Received Checklist

Temperature upon receipt: 40c

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL is to serve as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereinafter) within the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in written which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written order (if accepted by PCL). Any such order constitutes Client acceptance of the Client of PCL's offer to do business with the Client under the Terms and conditions and (if an agreement has been signed by those terms and conditions). The Client's delivery of samples to PCL or Client's consulting services constitutes the Client's express assent to be governed by these terms and conditions. No revisions or additions to the terms and conditions set forth in a Client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purposes of this Agreement, "Services" shall mean all work to be performed for the Client, including the furnish of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodology(s) which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA-WaterBoard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods, and/or the Commission of water and wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples furnished or the reasonable judgement of PCL. Deviations, if any, will be made on a basis in conformity with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided hereto, shall not exceed the invoiced amount for such services. Client's acceptance of a work order and its original releases PCL from any liability or claims of the invoiced amount for the services noted/outstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the Client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or orally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the work are confidential, owned by Client or its owner to whom it belongs and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or to the public domain or otherwise Client to give PCL an express written or otherwise in writing of the Client) subject to the following exceptions: PCL may disclose Client's name in lists of clients, (c) PCL may use Client's data and their not be responsible for unauthorized disclosure of Client data when: (a) it complies with PCL reports and information provided thereunder are for the exclusive use and benefit of Client and (b) agrees those shall be no third party beneficiaries of our reports, data or information. Client will not disclose to any third party any information concerning technical information, software, computer or other trade secrets.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents (collectively "Indemnified Parties") harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and expenses, including, without limitation, reasonable attorneys' fees and costs (collectively "Losses") and arising in favor of Client or any third party as a result of, or relating to, any breach of this agreement by Client or any of its employees, agents or subcontractors, or any act or omission of Client or any of its employees, agents or subcontractors in connection with the performance of services by PCL hereunder. This agreement and Client's indemnification obligation shall survive the termination of this agreement. Client's indemnification obligation shall not apply to any of the foregoing to the extent such Losses are caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically exclude consequential damages (whether of every kind and character) arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether such negligence or the performance of services is by this agreement. The foregoing indemnification will be in addition to any liability which the Indemnified Person may have to Client and the other indemnified Persons. To the extent that any other applicable law, client agrees hereby indemnify obligation will be supported by evidence of liability or potential liability to be furnished to Client, which insurance shall be in the maximum amount permitted under such applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business opportunity, loss of use, expenses or other loss including without limitation attorney's fees, expert fees, and the costs of any suit) suffered by Client or any third party arising against or relating to any indemnified person's performance under this agreement or services, whether under this agreement even if Client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by Client, client will provide PCL with certain samples, including for analysis, such as asbestos, pollutants, hazardous substances, or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as by federal, state or local laws, rules, PCL policies or regulations (whether existing or hereafter enacted or promulgated, as interpreted by any judicial or administrative interpretation of such any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous Materials received by PCL from Client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee per sample collected in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Prices for PCL's services are as stated in PCL's applicable price schedule in effect at the time of acceptance of the order. Any services not included in such schedule shall be charged at PCL's then current rates. In connection with PCL's performance of services hereunder, the terms of payment of PCL's fees are net [illegible] days from date of invoice. Late payments may be subject to a finance charge of [illegible] per month or the maximum rate permitted by law, whichever is less, and all costs of collection, including reasonable attorneys' fees. Client shall pay all taxes (other than taxes based on PCL's net income) imposed on or by reason of the services provided hereunder. Client will not withhold payment for any invoiced amount because of any dispute with respect to any other invoiced amount. Client shall pay all invoiced amounts in full without any deduction or offset. Client shall pay interest on all overdue amounts at the rate of [illegible] per month (or the maximum rate permitted by law, if less) from the date payment is due until paid in full. If Client fails to make any payment when due, PCL may suspend performance of services until all past due amounts have been paid in full. Client shall reimburse PCL for all costs incurred in collecting any late payments, including, without limitation, attorneys' fees.

13. Agreement Modification

Changes or modifications or amendments to the terms of this agreement shall not be valid unless they are in writing and signed by an authorized representative of PCL and the client or authorized representative. Client's subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability to client's use of or reliance on data, information or reports furnished to PCL. Client is hereby solely responsible for its own actions, and not as agent or representative of PCL, and has no representation or capacity to any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on, and PCL's information or reports is hereby expressly waived by, and agrees that no data, information, and reports are intended for use or reliance in connection with a claim or the purchase, sale, underwriting, securitization of any obligation, investment, or other transaction or the pricing of any security, the creation, renewal, or extension of any loan from any financial institution or other person or the modification or amendment of any security or investment, any governmental authority or department.

15. Rush Analysis

Rush analysis are not available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal rate will apply.

16. Holding Times

PCL cannot be responsible for testing samples that are excluded because it includes but is not limited to weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed by the client before being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 15 days or less, samples must arrive within 48 hours to allow PCL to meet holding times. PCL does not provide a rush surcharge. All short holding times (7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Analysis to be performed within half same day receipt) is available at a surcharge of [illegible] per sample. Client's courier, delivery, freight company, delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are subject to the expiration date of the preservation and are subject to change without notice.

17. Sample Retention

All samples are retained for at least [illegible] days after analysis has been completed. Longer storage for certain periods upon request only. For prolonged long term storage is subject to an additional charge. Samples will be disposed at the end of the [illegible] storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up sampling requests must be scheduled at least one [illegible] business days in advance. Requests for same day pick up or service will be necessary due to [illegible] sampling might be accepted on a limited [illegible]

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

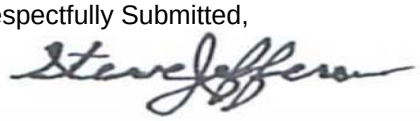
Attention: Ric Vardel
Report Date: 09-Sep-19 10:20
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0043-01) Collected: 03-Sep-19 By Carlos Alvarez						
Boron	EPA 200.7	AI90428	0.10	05-Sep-19 (AF)	0.27 mg/l	
MBAS	SM 5540C	AI90424	0.20	04-Sep-19 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AI90434	5	05-Sep-19 (WW)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AI90516	0.03	05-Sep-19 (LA)	0.09 mg/l	
Total Dissolved Solids	SM 2540C	AI90441	5	06-Sep-19 (EA)	812 mg/l	
Chloride	EPA 300.0	AI90439	1.0	04-Sep-19 (AV)	246 mg/l	
Sulfate as SO4	EPA 300.0	AI90439	0.5	04-Sep-19 (AV)	124 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/9/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0043

Customer: IPC, Inc.		Project : (MCC) Monthly EFF	
Address: 9297 Research Drive	Sampled by:		P.O. #:
Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/03/19	1105	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Aragon (Carc)	09/03/19	
Received by			9.3.19	1230
Relinquished by			9.3.19	1400
Received by				
Relinquished by				
Received in lab by			9/3/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Client all Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No oral or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the client, either out of or in connection with the services to be provided hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sensitive materials provided by client or at client's request and the reports obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered) It is an event in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information is provided solely for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way resulting incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of person 2. loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence (or alleged negligence) of any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement, even if client or the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, pathogenated organisms, bacteria or any other hazardous or toxic material, waste and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials") client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the Client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or dispute.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or conducting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered the same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

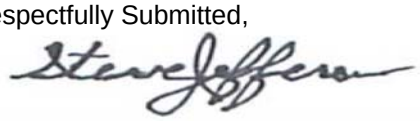
Attention: Ric Vardel
Report Date: 10-Sep-19 14:25
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19I0073-01) Collected: 03-Sep-19 By c. A.						
Biochemical Oxygen Demand	SM 5210B	AI90440	2	09-Sep-19 (REM)	325 mg/l	
Total Suspended Solids	SM 2540D	AI90507	1	05-Sep-19 (SGS)	150 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/10/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0073

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. A.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/03/19	0000	1	TSS	Composite	AQ	1L P	4°C	
1	1	1	1	BOD	Composite	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. A.	Carlos Alvarez (IPC)	09/04/19	
Received by	EB	Carlos	9.4.19	1300
Relinquished by	EB	Carlos	9-4-19	1400
Received by				
Relinquished by				
Received in lab by		Sam Parvin	9/4/19	1420

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments to which we agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and effectively.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample matrices provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, damage or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence (or claims of conduct) by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any remedy which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption Litigation Expenses or other loss including, without limitation, attorney's fees, court costs, and (or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and taxes confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.50%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees established with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used or relied upon in connection with or aspart of: the purchase, sale, underwriting, or distribution of any securities; any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Sep-19 13:33
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0075-01) Collected: 04-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI90513	0.1	04-Sep-19 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90512	0.05	05-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90431	1.8	06-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90431	1.8	06-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19E0075

Customer: ~~IPC, Inc.~~ ~~(MCC) Daily EFF~~		Project :	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/04/19	1020	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.04
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/04/19	
Received by			9.4.19	1300
Relinquished by			9.4.19	1400
Received by				
Relinquished by				
Received in lab by		Jaime Parada	9/4/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material provided by Client or at Client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or Client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiary of our reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (plus litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages arising of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for interest, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and (ex ple or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by Client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (such as 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Sep-19 16:00
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0074-01) Collected: 04-Sep-19 By C. A.						
Ammonia as N	EPA 350.1	AI90508	0.10	05-Sep-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AI90517	0.02	05-Sep-19 (LA)	0.13 mg/l	
Nitrite as N	EPA 353.2	AI90517	0.02	05-Sep-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI90926	0.10	10-Sep-19 (LA)	0.84 mg/l	
Total Suspended Solids	SM 2540D	AI90507	1	05-Sep-19 (SGS)	<1 mg/l	
EFF (Sample I.D.# : 19I0074-02) Collected: 03-Sep-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AI90440	2	09-Sep-19 (REM)	3 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0074

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: [signature]	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/04/19	1020	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
"	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
"	09/03/19	0000	1	BOD	[redacted] Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (SPC)	09/04/19	
Received by	EC [signature]	[signature]	9.4.19	1300
Relinquished by	EC [signature]	[signature]	9.4.19	1400
Received by				
Relinquished by				
Received in lab by	[signature]	Jairo Parada	9/4/19	14:60

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" stands for this current and Conditions of Sale including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consisting of sampling profiles and tests or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. **Independent Contractor**

PCL acts solely as an independent contractor in performing its services.

3. **Orders and Acceptance**

PCL offers and will accept orders for services (as defined herein) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which incorporates the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written Letter of Intent (LOI) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or subsequent sampling services constitutes the client's express assent to be governed by these terms and conditions. No verbal or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including procedures, equipment and materials to be furnished by PCL.

4. **Limit of Liability**

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable. PCL will use only the methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Environmental Laboratory Accreditation Program (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) or the examination of water and wastewater and/or other recognized methodologies. PCL reserves the right to deviate from such methodologies in order to use alternate data to the extent that in the reasonable judgment of PCL, deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or representatives to the client arising out of or in connection with the services to be provided hereunder shall not exceed the invoiced amount for said services. Client's acceptance of the work under and or payment releases PCL from any liability in excess of the invoiced amount for the services rendered regarding any provisions to the contrary in any client purchase orders or contracts.

5. **Clients Responsibility**

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and of information required to enable PCL to perform its services safely and efficiently.

6. **Cancellation**

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. **Overriding Agreement**

The parties agree that the Terms shall govern performance of client's initial order and all subsequent orders after additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. **Force Majeure**

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. **Confidentiality**

Data and the sample materials provided by client or all correspondence and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or unless filed by PCL for all services rendered or in connection with the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided thereto are for the exclusive use and benefit of client and no 3rd party shall rely on, or hold PCL liable for, any decision made or action taken by any 3rd party based upon any report, data or information. Client will not disclose to any third party any information concerning technical information, software or procedures of PCL unless.

10. **Hold Harmless**

Client indemnifies and shall save harmless, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies (collectively, "PCL Indemnitees") from and against any and all claims, demands, causes of action, damages, losses and reasonable expenses (including attorneys' fees and litigation expenses) and costs arising in favor of client or any third party as a result of, and/or in any way accruing or resulting in whole or in part, or in connection with the performance of services by PCL pursuant to this agreement and/or subsequent orders, including disposal of client's hazardous materials. In more general terms of personal injury, loss of data or loss or use of property or loss of business or profits or any other damages of any kind or nature whatsoever, whether direct, indirect or consequential, which are in any manner connected with, or attributable to, the performance of services under this agreement. The foregoing indemnity will be in addition to any liability which the client might otherwise have to PCL and the other indemnitees hereunder. To the fullest extent permitted by applicable law, client agrees that its indemnity obligation will be supported by adequate liability insurance coverage in an amount sufficient, which minimally shall be in the minimum amounts prescribed under applicable law. Client agrees that its indemnity obligation will include, without limitation, all costs of defending against any such claims, demands or actions and all damages including without limitation, cost of goods or services, loss of profits or business, loss of use of facilities, expert witness fees, attorneys' fees, court costs, and the cost to PCL for all services rendered or in connection with the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided thereto are for the exclusive use and benefit of client and no 3rd party shall rely on, or hold PCL liable for, any decision made or action taken by any 3rd party based upon any report, data or information. Client will not disclose to any third party any information concerning technical information, software or procedures of PCL unless.

11. **Hazardous Substances**

In order to perform the services requested by client, client will provide and PCL will receive samples which are known or suspected to contain hazardous substances. Client represents and warrants that all samples submitted to PCL from client or on client's behalf shall not be hazardous materials, unless prior authorization is granted by PCL. Client agrees that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify or preferred method of disposal, PCL will return to the client all unused samples which contain hazardous materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a handling fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. **Prices/Payments**

Client shall pay PCL in accordance with PCL's existing price schedule in effect at the time of the execution of this agreement. PCL reserves the right to change its prices at any time upon 30 days' written notice. Payment is due in advance of services rendered. Payment shall be made by check, money order or credit card. Client may establish credit with PCL by completing a credit application and submitting it to PCL for approval. Once approved, client may make payments on account. Failure to pay an undisputed invoice on account due to no fault of PCL within thirty (30) days from date of invoice. To the fullest extent permitted by law or applicable law, any amount owing to PCL by client which remains unpaid for more than thirty (30) days from date of invoice, unless disputed in good faith by client, shall bear interest at the rate of 1.5% per month (18% per annum) or the highest rate permitted by law, whichever is less, from the date payment is due until paid in full. Client shall pay all costs, including attorneys' fees and collection agency fees, incurred by PCL in connection with any collection efforts.

13. **Agreement Modification**

Changes, modifications or amendments to the terms of this agreement will be effective only when they are executed by authorized representatives of PCL and client. Subsequent orders for additional services will not require a written agreement.

14. **No Third Party Beneficiaries; No Right of Reliance**

PCL shall perform services for the benefit of Client only. Client is not a beneficiary to this agreement, and there is no third party beneficiary or beneficiaries to this agreement. Client represents, warrants, and agrees that any reports, information and reports are for exclusive use of Client and may not be used, in whole or in part, or as part of the use of any law, ordinance, or governmental agency, or any other person or entity, for any purpose whatsoever without the express written consent of PCL. Client agrees to indemnify and hold harmless PCL against any and all claims, damages, losses, and expenses, including attorneys' fees and costs, arising out of or resulting from any such use, reuse, or modification.

15. **Rush Analysis**

Rush analysis will be done by mutual prior arrange as it must be scheduled accordingly. If for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. **Holding Times**

PCL cannot be responsible for holding times that are missed because of samples that are improperly received or after date or procedure instruction notification and acceptance. Standard holding times and storage conditions should be followed prior to any sample being received by PCL. Any of holding times can be changed at the Client's request. All analyses with holding times of 15 days or less - samples must arrive at laboratory within 48 hours of collection. All short holding times (i.e. 7 days or less) must arrive at the lab within 24 hours before expiration of those short holding times. Unless otherwise noted, all samples will be held for 45 days after analysis is complete. Samples received with insufficient holding times will be analyzed as soon as possible, however, PCL cannot guarantee that these samples will meet holding times. All holding times are in effect as of the publication date of this schedule and are subject to change without notice.

17. **Sample Retention**

All samples are retained for at least forty (40) days after which time they are disposed of unless prior arrangements are made for longer periods of time upon request only. Any storage of long term storage is subject to an additional charge. Samples will be disposed of in the most cost effective and ecologically responsible manner.

18. **Sample Pick Up/Field Tech Sampling**

All pick up charges have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays causing the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

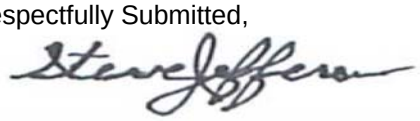
Attention: Ric Vardel
Report Date: 09-Sep-19 10:03
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0109-01) Collected: 05-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI90616	0.1	05-Sep-19 (JC)	6.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90615	0.05	06-Sep-19 (JC)	0.21 mg/l	
Fecal Coliforms	SM 9221E	AI90511	1.8	07-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90511	1.8	07-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/9/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190109

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/05/19	0855	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.82
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/05/19	
Received by	Elo Evans	pcl	9.5.19	1320
Relinquished by	Elo Evans	pcl	9.5.19	1430
Received by				
Relinquished by				
Received in lab by		Jaime Padilla	9/5/19	14:3

Sample Received Checklist

Temperature upon receipt: 4 oc

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Sep-19 10:17
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0144-01) Collected: 06-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI90705	0.1	06-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90704	0.05	07-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90612	1.8	08-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90612	1.8	08-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/9/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0144

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	09/06/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54/16.9°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3Pac)	09/06/19	12:50
Received by		[illegible]	9/6/19	12:50
Relinquished by		[illegible]	9/6/19	14:25
Received by				
Relinquished by				
Received in lab by			9/6/19	14:25

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such standard was exercised. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client shall and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and resultant expenses including, but not limited to all costs fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of users and defendants arising out of or in connection with the negligence or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and the like or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, hazwaste or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or in part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

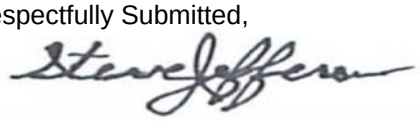
Attention: Ric Vardel
Report Date: 23-Sep-19 13:51
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0157-01) Collected: 07-Sep-19 By Ric Vardel						
pH	SM4500-H-B	AI90813	0.1	07-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90814	0.05	08-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90703	1.8	09-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90703	1.8	09-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#:

(MOC) Daily EFF

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project:
Sampled by: Ric VARDEL
Report Attention: Ric Vardel / Golan Kfir
P.O. #
Phone # 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/7	0950	1	pH, T, Res Chlorine	Grab	AQ	500 P	4°C	
"	9/7	0950	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric VARDEL (IPC)	9/7	1600
Received by		RM (PCL)	9/7/17	1730
Relinquished by				
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservatives
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - AlCl
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 9/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

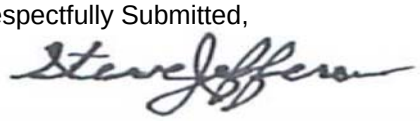
Attention: Ric Vardel
Report Date: 23-Sep-19 13:57
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0163-01) Collected: 08-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI90922	0.1	08-Sep-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90930	0.05	09-Sep-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90812	1.8	10-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90812	1.8	10-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0163

Customer: IPC, Inc.
Address: 9297 Research Drive Irvine CA 92618

Project: (MCC) Daily EFF
Sampled by: VICTOR ARIKFAN
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-8-19	09:18	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD
Logcode: IP
Glob

Print Name (Company)	Date	Time
VICTOR ARIKFAN (IPC)	9-8-19	09:18
RM (PCL)	9/8/19	1440
Victor Corkery	9/5/19	1643

Received by
Relinquished by
Received in lab by

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Rev 2 Effective 5/1

: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addendum or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereinafter) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) or the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform its obligations pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Client and the sample materials provided hereunder or at Client's request and the results and information PCL has. In the event confidence further such information is generally available to the public or is in the public domain or Client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement hereunder, or is otherwise required by law or legal process, PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data. Client acknowledges that the PCL reports and information provided hereunder are for the exclusive use and benefit of Client and its agent. Unless there shall be no third party beneficiaries to reports, data and information. Client will not disclose to any third party any information concerning technique or method, software, programs or other processes.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, illness or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further this indemnity shall specifically apply to losses, claims damages, settling of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples necessary for analyses such as asbestos, polychlorinated biphenyls bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of order. Unless during the services were rendered or such prices were later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon delivery may be required for all new clients. Payment is due within [illegible] days from date of invoice. Invoices not paid within [illegible] days from date of invoice shall bear interest at the rate of [illegible] per month. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of all sums due from client. In the event that any payment is not received by PCL when due, PCL may, at its option, suspend performance of all services for client until all sums due PCL are paid in full. Client shall pay all taxes (other than taxes based on PCL's net income) relating to the services provided by PCL hereunder. Unless otherwise agreed to by PCL, all amounts are payable in U.S. dollars. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of all sums due from client. In the event that any payment is not received by PCL when due, PCL may, at its option, suspend performance of all services for client until all sums due PCL are paid in full. Client shall pay all taxes (other than taxes based on PCL's net income) relating to the services provided by PCL hereunder. Unless otherwise agreed to by PCL, all amounts are payable in U.S. dollars. To avoid penalty, the [illegible] must be received by PCL by the [illegible] day following the date of invoice

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Sep-19 14:00
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0174-01) Collected: 09-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI91144	0.1	09-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91018	0.05	10-Sep-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90936	1.8	11-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90936	1.8	11-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0174

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	09/09/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42 / 17.2°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	09/09/19	12:00
Received by		Francisco Olmos (Pat-Chem)	9/9/19	12:00
Relinquished by		Francisco Olmos (Pat-Chem)	9/9/19	14:10
Received by				
Relinquished by				
Received in lab by		Saira Parada	9/9/19	14:10

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addendums or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assignees and representatives. "Price Schedule" means the Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereinbelow) under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modification to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody form to PCL. Any both of the above-listed is an acceptance by the client of PCL's offer to do business with the client under the terms and condition and / or agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express agreement to be governed by these terms and conditions. No verbal or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the services and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (CLWP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and our proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder, subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any provision contained herein. In the process, PCL may use the name and location of client's site for charting or own confidential data and shall not be responsible for unauthorized disclosure of said data, unless such disclosure is caused by PCL's reports and information provided hereunder are for the exclusive use and benefit of client and PCL agrees it will not be to third party beneficiaries of any reports, data or information. Client will not disclose to any third party any proprietary or confidential information which is software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and proceedings (including, but not limited to, attorneys' fees and litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way relating to client's activity, project, or in connection with the performance of services by PCL pursuant to this agreement and/or pursuant from handling or disposal of any hazardous materials, including, without limitation, (a) loss of or damage to property and/or (b) personal injury or death of any person. This indemnity does not apply to any of the foregoing losses, liabilities, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not apply to any claims, damages, and/or losses arising out of every kind and nature for arising out of or in connection with the negligence or the result of conduct by any unidentified person, who enter, or allegedly to the performance of services under this agreement. The foregoing indemnification will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by client's liability insurance coverage to be furnished by client, which coverage shall be maintained in full force and effect during the term of this agreement and PCL be named as a co-insured under such policy. In no event shall PCL be liable to client for indirect, incidental, special, consequential, punitive or exemplary damages (including, without limitation, loss of profit or business interruption), whether based on breach of contract, tort (including negligence), strict liability or otherwise, even if PCL has been advised of the possibility of such damages (including, without limitation, loss of profit or business interruption). Litigation Expenses" as used herein shall mean all costs, expenses, attorney's fees, court costs, and the prejudgment interest, in connection therewith, including all appellate costs incurred by PCL or any other party in enforcing client's agreement to indemnify PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive all information for analysis such as asbestos, polychlorinated biphenyls (PCBs), or any other hazardous substances, materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, regulations or ordinances or any other governing or regulatory authority or promulgated by any judicial or administrative proceedings, or any of the "Hazardous Materials"). Client understands and agrees that any hazardous materials received by PCL from client or at client's request shall remain the property of Client and that, upon completion of PCL's services, PCL will dispose of all remaining portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of client samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis for that any client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the Work the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time with out notice. Payment in advance or where analysis is commenced is required for all new clients or upon the establishment of credit limits. Clients who have been established with PCL for a minimum of 6 months and have an open account, the terms for payment of invoices are net 30 days from date of invoice. To the fullest extent permitted by law and applicable law, any amount unpaid on the end of thirty (30) days is subject to interest at the rate of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any amount paid with such collection procedure or effort.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by the duly authorized representative. Except that subsequent orders for additional services may be verbal or by facsimile.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender, or the participation in or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less (samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 3-7 days, samples must arrive at the lab within 24 hours before expiration to allow what the following dates can be met. Short Holding Times of 24 hours or less (pursuant to 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Samples stored for longer periods by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Sep-19 14:03
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0199-01) Collected: 10-Sep-19 By Golan Kfir						
pH	SM4500-H-B	AI91144	0.1	11-Sep-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91018	0.05	10-Sep-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91020	1.8	12-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91020	1.8	12-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0199

Customer: ~~IPC, Inc.~~		Project : (MCC) Daily EFF	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/10/19	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56/19.5°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/10/19	17:20
Received by:	[illegible] (Patchem)	9/10/19	12:20
Relinquished by:	[illegible] (Patchem)	9/10/19	14:45
Received by:			
Relinquished by:			
Received in lab by:	Jairo Parada	9/10/19	4:45

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or solicitation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), LA Watershed (LWP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provision to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client may be required to disclose such information pursuant to law or legal process). PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and PCL agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software (programs) or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, cost of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities are in addition to any liability which the client might otherwise have on PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption). Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from, directly at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. . Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit are built up with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at 30 and 61 thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collections processes or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

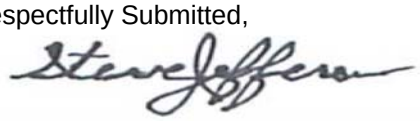
Attention: Ric Vardel
Report Date: 18-Sep-19 12:52
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19I0224-01) Collected: 10-Sep-19 By c. A.						
Biochemical Oxygen Demand	SM 5210B	AI91209	2	17-Sep-19 (REM)	433 mg/l	
Total Suspended Solids	SM 2540D	AI91211	1	12-Sep-19 (EA)	231 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/18/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0224

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/10/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
"	"	"	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/11/19	12:15
Received by		Armando Olmos (Patchem)	9/11/19	12:15
Relinquished by		Armando Olmos (Patchem)	9/11/19	14:30
Received by				
Relinquished by				
Received in lab by		Jairo Parada	9/11/19	14:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services, and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (or deliveries of goods) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modification to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiating consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (CLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or the public domain or client has filed lawsuit PCL for an intentional misconduct or deliberate or breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standards of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was followed. PCL reports and information provided thereto are for the exclusive use and benefit of client and not for anyone else. Those shall bring third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information or know how technical information, software programs or other intellectual

10. Hold Harmless

Client agrees and shall at all times indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent corporations and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees and litigation expenses, paid or awarded or sustained by client or any third party as a result of, and/or in any way resulting, incident to arising out of, or in connection with the performance of services by PCL pursuant to the agreement and/or the transportation, handling, or disposal of client's hazardous materials, 1. if any, greater in scope or amount or 2. use of, damage to, loss of, or loss of use of property and/or 3. the existence of injury to a person. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to client's claims, demands, actions of every kind and character, brought against PCL or its employees by any of client's employees, agents, or subcontractors arising out of or in connection with or as a result of services provided by PCL, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which client may have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption, litigation expenses, attorneys fees, court costs, and/or pre or post judgment interest) or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client where it will possible that PCL will receive samples materials for analysis such as pesticides, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies, regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis for Hazardous Client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of application or the date the services were rendered or work order signed and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance is required unless credit application has been completed and approved for all new clients or each delivery of payment with credit account has been established with PCL. For those clients with an established credit account, the terms for payment of invoices are NET OA or within thirty (30) days from date of invoice. To the fullest extent permitted by law, any amount unpaid by the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and the client. Authorized representative. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used in whole or in connection with or as part of, the purchase, sale, underwriting, securitization of any securities, any pension, or other recipient to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification as or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (Ozone) is to be met must be delivered that same day or prior to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Sep-19 14:05
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0226-01) Collected: 11-Sep-19 By C.A.						
pH	SM4500-H-B	AI91154	0.1	11-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91155	0.05	11-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91143	1.8	13-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91143	1.8	13-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0226

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	09/11/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54 / 15.7°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPC)	9/11/19	12:15
Received by	Fernando Olmos (Pat-Chem)	9/11/19	12:15
Relinquished by	Fernando Olmos (Pat-Chem)	9/11/19	14:30
Received by			
Relinquished by			
Received in lab by	Jaime Parada	9/11/19	14:30

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto, which are agreed to in writing. "Client" means the individual or entity who has request laboratory services, including or excluding services and his, her, its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule or such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written Work Authority (WO) to PCL. Any such order constitutes Client's acceptance by the client of PCL's offer to do business with the client under the terms and conditions and Client's agreement to be bound by these Terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express consent to be governed by these terms and conditions. No oral terms or additional terms and conditions expressed in a client's document shall be deemed to become a part of this contract unless PCL shall expressly agree to the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including preparation of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (CLRP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL's Standard Operating Procedures (SOP) and/or the EPA/DOC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided hereto, shall not exceed the greatest amount for such services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder, subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Client and the sample owner (if not client) or its client's consent and the results obtained by PCL shall be held in confidence unless such information is publicly available, or available or in the public domain or client has filed a duly PCL for all services rendered or in connection in breach of the agreement), subject to any disclosure required by law or legal process. PCL employs the same standard of care to user, retain, and disclose its own confidential data and shall not be responsible for unauthorized disclosure of or use of data within such standard unless proved. PCL reports and information generated shall be the exclusive use and benefit of client and client agrees that shall be no publication by client of such reports, data or information. Client will not disclose, copy, modify, sell, or otherwise transfer any PCL information, software or proprietary information.

10. Hold Harmless

Client agrees to, and does hereby indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and expenses and reasonable attorneys' fees and costs arising in favor of client or any third party as a result of, and/or in any way resulting from or arising out of, or in connection with the performance of services by PCL pursuant hereto, regardless of any negligence of PCL, its employees, agents, or subcontractors, except to the extent that such liability, loss, damage, cost, expense or claim is caused by the gross negligence or willful misconduct of PCL or its employees. Further, client agrees to indemnify, defend and hold harmless PCL against any and all liabilities, losses, damages, claims, demands, causes of action, suits and expenses of any kind and character brought by or on behalf of client or any third party, including but not limited to attorneys' fees and costs, arising out of, or in connection with, the negligence or willful misconduct of client, its employees, agents, or subcontractors in the performance of services covered by this agreement. The foregoing indemnities will be in addition to any remedy which PCL may have at law, in equity and by statute or otherwise. To the extent necessary under applicable law, client agrees that in no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, consequential expenses or losses) resulting from any breach of this agreement or any negligent act or omission, including PCL's own negligence, whether or not PCL has been advised of the possibility of such damages by client or any third party. In any event, PCL's liability to client or any third party for any claim, loss or damage arising out of or relating to this agreement or services provided under this agreement shall not exceed the price paid by client.

11. Hazardous Substances

For PCL to perform the tests as requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, acid/chemical chemicals, bacteria or any other biological or toxic materials, wastes and substances which are deemed, determined or identified as such under federal, state or local laws. Using PCL personnel, equipment or other than existing or new client specific or project approved or any vehicle or transportation of any kind of any of the foregoing. Client represents and warrants that any such materials provided to PCL shall remain the property of client and client's employees of PCL's services, and will dispose of all unused portions of samples as instructed by client or by PCL's DHSC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain hazardous materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos bulk analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our DHSC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's published price schedule in effect at the time of acceptance of the order for the services and/or delivery of the goods ordered and then confirmed in writing. The price schedule is subject to change at any time without notice. Payment shall be due in full unless otherwise agreed to in writing by PCL. An account shall be opened only upon receipt of required additional credit information and approval thereof by PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH WITHIN THIRTY (30) days from date of invoices. To the fullest extent permitted by law, PCL's obligations hereunder are subject to cancellation by PCL at any time and for any reason upon written notice to client. Client shall pay all costs of collection, including reasonable attorneys' fees and costs, incurred by PCL or its agents. Past due balances are subject to interest at the rate of 1.5% per month (18% per annum) or the highest rate permitted by law, whichever is less. Unless otherwise agreed to in writing by PCL, payment is due at the time of delivery of the goods or services. If payment is not received by PCL within thirty (30) days from the date of the invoice, PCL may, at its option, charge a late payment fee of 1.5% per month on the outstanding balance. All payments must be made in U.S. dollars. Client shall pay all taxes, duties and fees (exclusive of taxes based on PCL's net income) that may be assessed or levied in connection with the performance of services or the sale of goods hereunder. Client shall pay all costs and expenses (including reasonable attorneys' fees and costs) incurred by PCL in collecting any amounts not paid when due hereunder. In the event any proceeding is brought to collect any amounts due hereunder or to enforce any terms of this agreement, the prevailing party shall be entitled to recover its reasonable attorneys' fees and costs incurred in connection with such proceeding, including on appeal.

13. Agreement Modification

No change, modification or amendment to the terms shall be effective or binding and enforceable against PCL or any of its officers or employees unless agreed upon in writing by PCL. Any subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for reports, data or information provided by PCL. Client is retaining services hereunder for its own account, and not as agent or broker, or on any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not to be relied on by client or provided, sold, conveyed or disclosed to any third party as a result of the conclusions, data, understanding or distribution of any portion, any analysis or other reporting to the holders of any security, the securing, investment, renewal, or extension of any loan from any financial institution or other lender or the certification to or compliance with changes in statute, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any of a variety of reasons, the turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL shall not be responsible for holding times that are exceeded because all samples that are received or analyzed after such holding times have expired. Standard holding times and storage conditions should be followed prior to any samples to be received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must be on site within 6 hours of time PCL is made aware of the project unless otherwise arranged with a rush surcharge. All tests having holding times of 72 hours, samples must arrive at the site within 24 hours of time PCL is made aware of the project unless otherwise arranged with a rush surcharge. Any holding time not listed on client holding, PCL will follow the most conservative holding times as listed in the current Standard Operating Procedures (SOP). Some holding times, especially those listed by regulatory agencies, are subject to interpretation and may affect the validity of short holding times. All holding times are calculated as of the time and date of the fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for 30 days after the last date analysis has been completed. Sample storage for longer periods is available only if arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the 30 days storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been waived on the fee schedule. Reasonable time has been allowed for each pick up location. Unreasonably long waiting time will be charged, costs be assessed on a portion for

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Sep-19 13:01
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0227-01) Collected: 11-Sep-19 By C. A.						
Ammonia as N	EPA 350.1	AI91621	0.10	16-Sep-19 (SGS)	0.70 mg/l	
Nitrate as N	EPA 353.2	AI91139	0.02	11-Sep-19 (LA)	0.23 mg/l	
Nitrite as N	EPA 353.2	AI91139	0.02	11-Sep-19 (LA)	0.07 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI91208	0.10	13-Sep-19 (LA)	1.06 mg/l	
Total Suspended Solids	SM 2540D	AI91211	1	12-Sep-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19I0227-02) Collected: 10-Sep-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AI91209	2	17-Sep-19 (REM)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/18/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0227

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/11/19	1130	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	09/10/19	0000	1	BOD	[redacted] Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/11/19	12:15
Received by		[illegible] (PatChem)	9/11/19	12:15
Relinquished by		[illegible] (PatChem)	9/11/19	14:30
Received by				
Relinquished by				
Received in lab by		Jaime Parra	9/11/19	14:30

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing its services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not conform the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Letter of Authority (LOA) to PCL. Any such order constitutes Client's acceptance of PCL's offer to do business with the Client under the terms and conditions and / or agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the Terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the industry. Where applicable, PCL will use accepted methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Department (LEAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and our proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder, subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent that Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client to PCL Client's request and the reports released by PCL shall be held in confidence (unless such information is generally available to the public domain or otherwise filed to pay PCL for all services rendered or otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same due diligence in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information whilst samples are in transit. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and shall not be relied upon by any third party for any purpose without the express written consent of PCL. Client will not disclose to any third party without prior consent in writing, testing results, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys' fees, litigation expenses and awards arising in favor of Client or any third party, as a result of, and to the extent arising, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement, including transportation, handling or disposal of client's hazardous materials, toxic, noxious or dangerous substances, loss of, damage to, loss of, or loss of use of property or injury to or the death of any kind of that kind. This indemnity shall not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, suits, fines of every kind and nature, including out of court settlement with the regulatory agency involved, against any indemnified person, whether such action is alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which Client might otherwise have to PCL and the other indemnified persons, to the extent not inconsistent with applicable law. These agreements shall be interpreted as will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for any (i) special, punitive, consequential or compensatory damages including without limitation, loss of profits or business interruption, Litigation Expenses or other fees (including without limitation, attorney's fees, court costs, and/or pre-or post-judgment interest), or any other payments to or claims against or involving PCL or any indemnified person in connection with this agreement or services provided under this agreement even if Client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis not to asbestos, polychlorinated biphenyls, Battery or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, policies or regulations (whether now existing or hereafter enacted or promulgated by any political or governmental subdivision or instrumentality of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from Client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current Sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Charges for all work PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the Work. The services were rendered or such other period and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due upon receipt of invoice, unless otherwise agreed to by PCL in writing. Client shall make all payments required hereunder in accordance with PCL's then-current credit policies. Client shall pay all charges on its credit account, the terms for payment of which are net 30 days after the date of the invoice

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

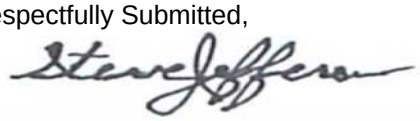
Attention: Ric Vardel
Report Date: 23-Sep-19 14:08
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0264-01) Collected: 12-Sep-19 By C.A.						
pH	SM4500-H-B	AI91312	0.1	12-Sep-19 (JC)	8.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91313	5.0	13-Sep-19 (JC)	84 mg/l	
Fecal Coliforms	SM 9221E	AI91206	1.8	16-Sep-19 (PL)	33.0 MPN/100 ml	
Total Coliforms	SM 9221B	AI91206	1.8	16-Sep-19 (PL)	170.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 191204

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by:		P.O. #:
	Report Attention: Ric Vardel / Golan Kfir		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/12/19	1340	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (CRC)	09/12/19	
Received by	Carlos (CRC)	9.12.19	1400
Relinquished by	Carlos (CRC)	9.12.19	1500
Received by			
Relinquished by			
Received in lab by	Jaro Parra	9/12/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? ~~Yes~~ No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, activities, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of use of, or loss of value in property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses in other than (including, without limitation, attorney's fees, court costs, and/or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials") client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect for the area of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET EIGHT within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or by fax.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, and not as an agent or broker, or on any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any portfolio or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less (samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Sep-19 14:11
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0299-01) Collected: 13-Sep-19 By gK						
pH	SM4500-H-B	AI91323	0.1	13-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91324	0.05	13-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91314	1.8	15-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91314	1.8	15-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: MW#1 19I0290

Customer: BioSolutions
Address: 5310 Derry Ave Suite E
Agoura Hills CA 91301

Project: **3903 Carbon Canyon**
Sampled by: Cody McKenna
Report Attention: Steve Braband
P.O. #:
Phone #: 818-991-9997

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
Wastewater	9-13-19	9:18am	1	TSS	Grab	AQ	500P		
	↓	↓	1	BOD			1000P		
			1	Oil and Grease			1000G		
			1	Fecal Coliform			100coli		
			1	Enterococcus			100coli		
			*						
			*						
			*						
			*						
			*						

Signature	Print Name (Company)	Date	Time
Relinquished by	Cody McKenna	9-13-19	12:03
Received by	[illegible] (Pat-Chem)	9/13/19	12:03
Relinquished by	[illegible] (Pat-Chem)	9/13/19	14:30
Received by			
Relinquished by			
Received in lab by	[illegible]	9/13/19	14:31

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who/which engages laboratory services, including or samples, services and includes its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such documents may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined below) only under the following General Terms and Conditions (the "Terms"). These Terms shall govern if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express consent to be governed by these terms and conditions. No additional or additional terms and conditions examined in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable. PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 24 Watershield (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain, or client has given PCL for all services rendered or in otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided hereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs, or other formulations.

10. Hold Harmless

Client releases, and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, liens, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees, litigation expenses and court costs arising in favor of client or any third party as a result of, and/or in any way resulting directly or indirectly from, or in connection with the performance of services by PCL pursuant to this agreement and/or from client's negligence, liability or omission of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or use of real or personal property and 3. financial loss of every kind or character. This indemnification does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or breach of this contract by any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent not expressly under applicable law, client agrees that all indemnity obligations will be supported by adequate liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law, or in any event shall not be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profits, business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or in any manner provided under this agreement even if client or the laboratory have

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analysis such as asbestos, polychlorinated biphenyls, explosives or any other hazardous or toxic material, waste and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at clients request shall increase the property of client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of performance or, in the case the services were rendered, or price quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all clients. Clients with a history of payment problems and/or credit issues have been suspended with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted, if at any by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable court and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective or modifications are made by an officer of PCL and by client in writing (email acceptable), except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or services furnished by PCL. Client is ordering services hereunder for its own account, and not as agent or broker, or under any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, advice, report or research. Client represents, warrants, and agrees that test data, information and reports are not intended, or shall not be used or relied upon, in connection with or as part of the purchase, sale, underwriting, or administration any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the turn around time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are received on weekends or after hours without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. For analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All other holding times, 3-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met upon receipt. Times of all hours or less shortened is hours must be delivered Monday-Friday 8:00 AM to 4:00 PM, excluding holidays and must. Other times, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time for travel allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

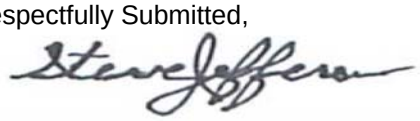
Attention: Ric Vardel
Report Date: 23-Sep-19 14:32
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0313-01) Collected: 14-Sep-19 By Joseph Clark						
pH	SM4500-H-B	AI91419	0.1	14-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91420	0.05	14-Sep-19 (JC)	0.09 mg/l	
Fecal Coliforms	SM 9221E	AI91418	1.8	16-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91418	1.8	16-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0313

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Joseph Clark	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/14/19	9:56	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph L. Clark	Joseph Clark (IPC)	9/14/19	0959
Received by: Jose L Gomez	Jose L Gomez	9/14/19	1035
Relinquished by: Jose L Gomez	Jose L Gomez	9/14/19	1138
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	9/14/19	11:38

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which have agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes Client acceptance by the client of PCL's offer to do business with the client under the terms and conditions and PCL an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created by such acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), US Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized authoritarians. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for securing PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples materials provided by client to PCL shall be kept confidential unless such information is generally available to the public or in the public domain or otherwise lost to you. PCL or all services rendered or otherwise in breach of the agreement, subject to any provision required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of your data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and PCL's agreement shall be for third party beneficiary of such reports. Data in its reports or client will not disclose to any third party any proprietary, technical information, software programs or other confidentialities.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from any and all claims, demands, damages, costs, liabilities, losses, expenses, including, but not limited to, court costs, reasonable attorneys' and experts' fees of any kind or nature whatsoever (collectively "Claims") asserted by any third party as a result of, relating to, or arising out of or in connection with the performance of services by PCL pursuant to this agreement and the transportation, handling or disposal of client's hazardous materials. This release shall apply to all Claims for personal injury or death of persons or damage to property of persons of any kind or nature. This indemnity shall not apply to any of the foregoing losses, liabilities, damages or attorneys' fees directly to the extent they were willfully misconduct of PCL or its employees). Further, the indemnity shall specifically apply to Claims, damages, actions of every kind and nature, brought against PCL in connection with the negligence of its agents, employees or any authorized person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability of client to PCL and/or any other claims or rights of PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by adequate liability insurance coverage to be maintained by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, consequential or incidental damages including without limitation, loss of profit or business interruption, however caused or under any theory of liability, including without limitation, attorney's fees, court costs, costs of pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will inform us and PCL will receive samples, materials or wastes such as asbestos, polychlorinated biphenyls, Bacteria or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations. Whether now existing or hereafter amended or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"), Client understands and agrees that any Hazardous Material received by PCL from, or on behalf of, client's property shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or such assurance of payment as PCL deems required may be a condition of PCL's performance. Unless credit has been established with PCL or Client's client with an established credit account, the terms of payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through an attorney or by an attorney, the client shall pay reasonable costs and attorney's fees or agents fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an authorized and by client's authorized representative. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services from PCL for its own account, and not as agent or broker, or in any other representative capacity for another person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to mislead upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other source of the classification or categorizing with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Coliform) 6 hours must be delivered at same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Sep-19 14:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0320-01) Collected: 15-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI91615	0.1	15-Sep-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91616	0.05	16-Sep-19 (PL)	0.06 mg/l	
Fecal Coliforms	SM 9221E	AI91515	1.8	17-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91515	1.8	17-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0320

Customer: ~~IPC, Inc.~~		**Project :** ~~(MCC) Daily EFF~~	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		**Sampled by:** VICTOR ARIKIAN	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/15/19	09:47	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	9/15/19	09:52
Received by		RM (PCL)	9/15/19	1110
Relinquished by		RM (PCL)	9/15/19	1320
Received by				
Relinquished by				
Received in lab by		RM (PCL)	9/15/19	1320

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Sep-19 14:35
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0335-01) Collected: 16-Sep-19 By C. A.						
pH	SM4500-H-B	AI91717	0.1	16-Sep-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91718	0.05	17-Sep-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91633	1.8	18-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91633	1.8	18-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0335

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	09/16/19	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46 / 14.3°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (Carl)	09/16/19	12:10
Received by	Armando Olmos (PatChem)	9/16/19	12:10
Relinquished by	Armando Olmos (PatChem)	9/16/19	15:10
Received by			
Relinquished by			
Received in lab by	Jairo Ramirez	9/16/19	15:10

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including in sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or collection of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in this profession. Where applicable, PCL will use established methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOPs) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition when the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain) or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Clients shall not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client (indemnitor) shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, actual damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way directly incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client characterized materials, 1. injury, disease or death of persons 2. loss of, damage to, use of, or loss of use of property and or 3. Environmental fines of every kind or character. This indemnity does not apply to any of the foregoing costs, claims, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or of breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any subsidy which the others might otherwise have in PCL and the other indemnified Persons. To the extent not held under applicable law, client agrees that its indemnity obligation will be supported by available Liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and for pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement) even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, petrochlorinated hydrocarbons, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's EH&SC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our EH&SC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure in addition.

13. Agreement Modification

Changes, modifications or amendments to these terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is using services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any private or other placement of securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or instrumentality.

15. Rush Analysis

Rush services are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without incurring such surcharge. For short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) or 6 hours must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

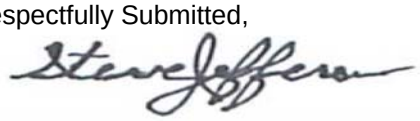
Attention: Ric Vardel
Report Date: 23-Sep-19 14:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0369-01) Collected: 17-Sep-19 By C. A.						
pH	SM4500-H-B	AI91830	0.1	17-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91829	0.05	18-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91732	1.8	19-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91732	1.8	19-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0364

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/17/19	0940	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PC)	09/17/19	
Received by	Eric Ward PC	9.17.19	1250
Relinquished by	Eric Ward PC	9.17.19	1400
Received by			
Relinquished by			
Received in lab by	Jane Reed	9/17/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addendum or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL)'s standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound to these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LUFT), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other administrations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or in connection with handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, process of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual as alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and the pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as: asbestos, polychlorinated biphenyls, bacteria or also other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (pH is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

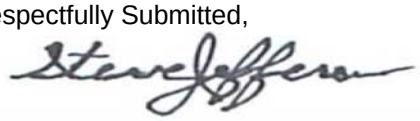
Attention: Ric Vardel
Report Date: 30-Sep-19 16:03
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19I0410-01) Collected: 17-Sep-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AI91909	2	24-Sep-19 (REM)	437 mg/l	
Total Suspended Solids	SM 2540D	AI91907	1	19-Sep-19 (SGS)	191 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0410

Customer: ~~IPC, Inc.~~		Project : ~~(MCC) Weekly INF~~	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		Sampled by: C. D.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/17/19	0000	1	TSS	~~Grab~~ Comp	AQ	1L P	4°C	
1	1	1	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	09/18/19	
Received by	Elo	Emb IPC	9-18-19	1250
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARCO SANTIESTEBAN (PCL)	9/18/19	1547

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**AI** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

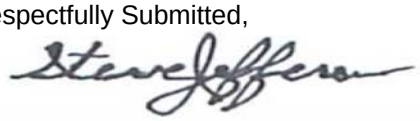
Attention: Ric Vardel
Report Date: 23-Sep-19 15:02
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0403-01) Collected: 18-Sep-19 By C. A.						
pH	SM4500-H-B	AI91912	0.1	18-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91911	0.05	19-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91828	1.8	20-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91828	1.8	20-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: AI0403

Customer: IPC, Inc.		**Project :** ~~(MCC) Daily EFF~~	
Address: ~~9297 Research Drive~~ Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/18/19	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/18/19	
Received by	EC	Carlos	9.18.19	PCI
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCC)	9/18/19	1532

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

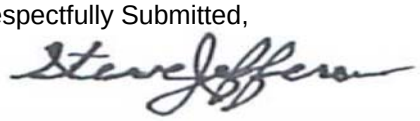
Attention: Ric Vardel
Report Date: 30-Sep-19 16:01
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0411-01) Collected: 18-Sep-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AI92011	0.10	20-Sep-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AI91909	2	24-Sep-19 (SJ)	<2 mg/l	
Nitrate as N	EPA 353.2	AI91916	0.20	19-Sep-19 (LA)	1.80 mg/l	
Nitrite as N	EPA 353.2	AI91916	0.20	19-Sep-19 (LA)	0.45 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI91915	0.10	20-Sep-19 (LA)	1.40 mg/l	
Total Suspended Solids	SM 2540D	AI91907	1	19-Sep-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19T0411

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. D.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/18/19	1110	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Arturo (IPC)	09/18/19	
Received by	EE	Carlos	9/18/19	1250
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	9/18/19	1556

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4 **HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **AI** - $AlCl_3$ **Cu** - $CuSO_4$
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

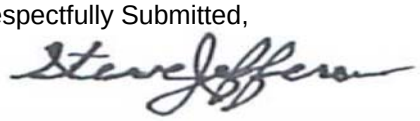
Attention: Ric Vardel
Report Date: 23-Sep-19 15:06
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0440-01) Collected: 19-Sep-19 By C. A.						
pH	SM4500-H-B	AI92013	0.1	19-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92012	0.05	20-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91913	1.8	21-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91913	1.8	21-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19IO440

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/19/19	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42 / 18.5°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PCL)	09/19/19	12:05
Received by	Armando Olmos (PCL)	9/19/19	12:05
Relinquished by	Armando Olmos (PCL)	9/19/19	13:15
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	9/19/19	1315

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

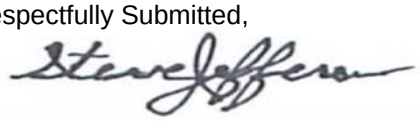
Attention: Ric Vardel
Report Date: 23-Sep-19 15:07
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0476-01) Collected: 20-Sep-19 By C. A.						
pH	SM4500-H-B	AI92119	0.1	20-Sep-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92121	0.05	21-Sep-19 (JC)	0.06 mg/l	
Fecal Coliforms	SM 9221E	AI92017	1.8	22-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92017	1.8	22-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1950476

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	09/20/19	1357	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.34/26.1°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	09/20	14:02
Received by	Hemyung Ochoa (Patchem)	9/20/19	14:07
Relinquished by	Hemyung Ochoa (Patchem)	9/20/19	16:15
Received by			
Relinquished by			
Received in lab by	Jairo Parra	9/20/19	16:15

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or the public domain or client has filed to pay PCL for all services rendered or otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information or even mention its final data results, software programs or other intellectual.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by suitable liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and for pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or as services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyl, bacteria or any other hazardous or toxic material, wastes and substances which is are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when cash is or contracted is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted or at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Sep-19 15:10
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0481-01) Collected: 21-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92124	0.1	21-Sep-19 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92121	0.05	21-Sep-19 (JC)	0.32 mg/l	
Fecal Coliforms	SM 9221E	AI92118	1.8	23-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92118	1.8	23-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: RJ0481

Customer: IPC, Inc.	**Project :** (MCC) Daily EFF
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:**
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/21/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SEC)	09/21/19	1045
Received by	Jose L Gomez	9/21/19	1115
Relinquished by	Jose L Gomez	9/21/19	1225
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	9/21/19	12:25

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes Client's acceptance by the Client of PCL's offer to do business with the Client under the Terms and constitutes and is an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a Client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the Client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perforins the sampling, the client shall be responsible for the condition while the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or not. Any exceptions to the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples materials provided to client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or to the public domain or client has filed to give PCL for all services rendered, or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information unless such disclosure is caused by PCL's gross negligence or willful misconduct. PCL reserves the right to use information provided thereby and for the exclusive use and benefit of Client and PCL agrees that it shall not sell, trade or otherwise transfer to any third party any information concerning technical information, software, processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees (including Experts and Lawyers) arising in favor of Client or any third party as a result of, or arising in any way a claiming incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement, except to the extent the handling or disposal of client's hazardous materials, (1) more than one of death of persons 2. Loss of, damage to, or use of, or loss of use of property and (3) injury to physical property of PCL or its employees. Further, this indemnity does not apply to any of the foregoing losses, costs, damages, or property caused solely by the gross negligence or willful misconduct

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

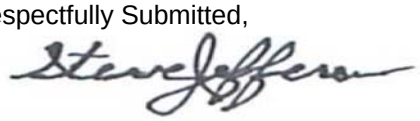
Attention: Ric Vardel
Report Date: 26-Sep-19 16:56
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0486-01) Collected: 22-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92533	0.1	22-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92329	0.05	23-Sep-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI92214	1.8	24-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92214	1.8	24-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/26/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0486-01

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-22-19	10:06	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN	9-22-19	10:09
Received by	RM (PCL)	9/22/19	1340
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM (PCL)	9/22/19	1620

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), LA Water Board (LAAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. "Deviations," if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provision to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own such data for data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and any court expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, illness or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or monies caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous Material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when client is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms that be effective on in writing and executed by an officer of PCL and by client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

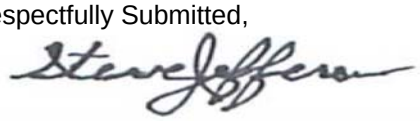
Attention: Ric Vardel
Report Date: 30-Sep-19 15:32
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0511-01) Collected: 23-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92533	0.1	23-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92418	0.05	24-Sep-19 (PL)	0.06 mg/l	
Fecal Coliforms	SM 9221E	AI92328	1.8	25-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92328	1.8	25-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190511

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	09/23/19	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44/20.4°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	09/23/19	14:10
Received by	Hemisundo Amos (Patchem)	9/23/19	14:10
Relinquished by	Hemisundo Amos (Patchem)	9/23/19	16:30
Received by			
Relinquished by			
Received in lab by	Jaime Patzan	9/23/19	16:30

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
-Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initial invoice/ consulting services constitutes the client's express assent to be governed by these terms and conditions. No conflicting or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was exercised. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of our reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL the want to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnification shall not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the event's negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to seven claims, damages, actions of every kind and character arising out of and in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and not pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotations or the time the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or "credit analysis" is required for all new clients or clients having a history of payment which is not as agreed. Has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or will be applicable law, any amount unpaid on this and or thirty (30) days is subject to interest at the rate of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or "collection" fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports and represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as a part of the purchase, sale, underwriting, or distribution of securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 72 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 15 hours or less (bacteria is 6 hours) must be delivered that same day in order to give enough holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allotted for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 11:11
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0510-01) Collected: 23-Sep-19 By CA						
Silver	EPA 200.8	AI92420	0.2	25-Sep-19 (AF)	<0.2 ug/l	
Aluminum	EPA 200.8	AI92420	5.0	25-Sep-19 (AF)	32 ug/l	
Arsenic	EPA 200.8	AI92420	0.2	25-Sep-19 (AF)	1.1 ug/l	
Barium	EPA 200.8	AI92420	0.5	25-Sep-19 (AF)	21 ug/l	
Beryllium	EPA 200.8	AI92420	0.2	25-Sep-19 (AF)	<0.2 ug/l	
Calcium	EPA 200.7	AI92419	0.05	14-Nov-19 (AF)	43.2 mg/l	
Cadmium	EPA 200.8	AI92420	0.2	25-Sep-19 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AI92420	0.2	25-Sep-19 (AF)	5.8 ug/l	
Copper	EPA 200.8	AI92420	0.2	25-Sep-19 (AF)	0.9 ug/l	
Iron	EPA 200.7	AI92419	0.02	14-Nov-19 (AF)	0.02 mg/l	
Mercury	EPA 245.1	AI92710	0.20	14-Nov-19 (AF)	<0.20 ug/l	
Manganese	EPA 200.8	AI92420	0.5	25-Sep-19 (AF)	13 ug/l	
Nickel	EPA 200.8	AI92420	0.5	25-Sep-19 (AF)	3.5 ug/l	
Lead	EPA 200.8	AI92420	0.2	25-Sep-19 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AI92420	1.0	25-Sep-19 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AI92420	2.0	25-Sep-19 (AF)	<2.0 ug/l	
Thallium	EPA 200.8	AI92420	1.0	25-Sep-19 (AF)	<1.0 ug/l	
Uranium	EPA 200.8	AI92420	0.0007	25-Sep-19 (AF)	0.0008 pCi/L	
Zinc	EPA 200.8	AI92420	1.0	25-Sep-19 (AF)	18 ug/l	
1,2-Dibromoethane (EDB)	EPA 504.1	AI92526	0.02	25-Oct-19 (SJ)	<0.02 ug/l	
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AI92526	0.01	25-Oct-19 (SJ)	<0.01 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 506	AI92605	2.0	04-Oct-19 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)adipate	EPA 506	AI92605	2.0	04-Oct-19 (SJ)	<2.0 ug/l	
Surrogate: o-Terphenyl	*EPA 506*	*AI92605*		*04-Oct-19 (SJ)*	*54.4 % (50-120)*	
Alachlor	EPA 507	AI92604	0.2	25-Oct-19 (SJ)	<0.2 ug/l	
Atrazine	EPA 507	AI92604	0.2	25-Oct-19 (SJ)	<0.2 ug/l	
Molinate	EPA 507	AI92604	0.2	25-Oct-19 (SJ)	<0.2 ug/l	
Simazine	EPA 507	AI92604	0.2	25-Oct-19 (SJ)	<0.2 ug/l	

Respectfully Submitted,

Steve Jefferson 12/6/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

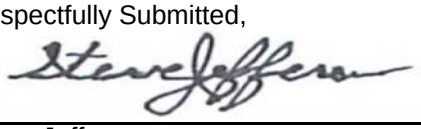
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 11:11
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0510-01) Collected: 23-Sep-19 By CA						
Thiobencarb (Bolero)	EPA 507	AI92604	0.2	25-Oct-19 (SJ)	<0.2 ug/l	
Surrogate: 1,3-Dimethyl-2-nitrobenzer	*EPA 507*	*AI92604*		*25-Oct-19 (SJ)*	*59.6 % (40-120)*	
Gamma-BHC(Lindane)	EPA 508	AI92416	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Chlordane	EPA 508	AI92416	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Endrin	EPA 508	AI92416	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Heptachlor	EPA 508	AI92416	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 508	AI92416	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Hexachlorobenzene	EPA 508	AI92416	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Hexachlorocyclopentadiene	EPA 508	AI92416	0.01	19-Nov-19 (SJ)	0.2 ug/l	
Methoxychlor	EPA 508	AI92416	0.05	19-Nov-19 (SJ)	<0.05 ug/l	
Toxaphene	EPA 508	AI92416	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1016	EPA 508	AI92416	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1221	EPA 508	AI92416	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1232	EPA 508	AI92416	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1242	EPA 508	AI92416	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1248	EPA 508	AI92416	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1254	EPA 508	AI92416	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1260	EPA 508	AI92416	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 508*	*AI92416*		*19-Nov-19 (SJ)*	*62.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	*EPA 508*	*AI92416*		*19-Nov-19 (SJ)*	*52.5 % (50-120)*	
Bentazon	EPA 515.1	AI92708	0.2	08-Oct-19 (SJ)	<0.2 ug/l	
2,4-D	EPA 515.1	AI92708	0.2	08-Oct-19 (SJ)	<0.2 ug/l	
Dalapon	EPA 515.1	AI92708	0.2	08-Oct-19 (SJ)	<0.2 ug/l	
Dinoseb	EPA 515.1	AI92708	0.2	08-Oct-19 (SJ)	<0.2 ug/l	
Pentachlorophenol (PCP)	EPA 515.1	AI92708	0.2	08-Oct-19 (SJ)	<0.2 ug/l	
Picloram	EPA 515.1	AI92708	0.2	08-Oct-19 (SJ)	<0.2 ug/l	
2,4,5-TP	EPA 515.1	AI92708	0.2	08-Oct-19 (SJ)	<0.2 ug/l	
Surrogate: 2,4-DCAA	*EPA 515.1*	*AI92708*		*08-Oct-19 (SJ)*	*129 % (60-140)*	

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 11:11
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0510-01) Collected: 23-Sep-19 By CA						
Benzene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Carbon tetrachloride	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,2-Dichlorobenzene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,4-Dichlorobenzene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,1-Dichloroethane	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,2-Dichloroethane	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,1-Dichloroethene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
cis-1,2-Dichloroethene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
trans-1,2-Dichloroethene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Methylene chloride	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,2-Dichloropropane	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,3-Dichloropropane	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Ethylbenzene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Ethyl tert-butyl ether	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Methyl tert-butyl ether	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Chlorobenzene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Styrene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,1,2,2-Tetrachloroethane	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Tetrachloroethene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Toluene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,2,4-Trichlorobenzene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,1,1-Trichloroethane	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,1,2-Trichloroethane	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Trichloroethene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Vinyl chloride	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
m,p-Xylene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
o-Xylene	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	

Respectfully Submitted,

Steve Jefferson 12/6/2019
Laboratory Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 11:11
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0510-01) Collected: 23-Sep-19 By CA						
Bromodichloromethane	EPA 524.2	AI92546	5.0	02-Oct-19 (SJ)	14.4 ug/l	
Bromoform	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	<0.5 ug/l	
Chloroform	EPA 524.2	AI92546	5.0	02-Oct-19 (SJ)	101 ug/l	
Dibromochloromethane	EPA 524.2	AI92546	0.5	01-Oct-19 (SJ)	1.5 ug/l	
Surrogate: Bromofluorobenzene	*EPA 524.2*	*AI92546*		*01-Oct-19 (SJ)*	*89.8 % (80-120)*	
Surrogate: Dibromofluoromethane	*EPA 524.2*	*AI92546*		*01-Oct-19 (SJ)*	*99.0 % (80-120)*	
Surrogate: Toluene-d8	*EPA 524.2*	*AI92546*		*01-Oct-19 (SJ)*	*94.8 % (80-120)*	
Carbofuran	EPA 632	AJ90219	0.5	18-Nov-19 (SJ)	<0.5 ug/l	
Oxamyl	EPA 632	AJ90219	1.0	18-Nov-19 (SJ)	<1.0 ug/l	
Surrogate: Atrazine	*EPA 632*	*AJ90219*		*18-Nov-19 (SJ)*	*73.1 % (60-130)*	
Bromoacetic Acid	EPA 552.2	AI92527	1.0	16-Nov-19 (SJ)	<1.0 ug/l	
Chloroacetic Acid	EPA 552.2	AI92527	100	18-Nov-19 (SJ)	553 ug/l	
Dibromoacetic Acid	EPA 552.2	AI92527	1.0	16-Nov-19 (SJ)	1.7 ug/l	
Dichloroacetic Acid	EPA 552.2	AI92527	10.0	16-Nov-19 (SJ)	82.2 ug/l	
Trichloroacetic Acid	EPA 552.2	AI92527	10.0	16-Nov-19 (SJ)	86.2 ug/l	
Haloacetic Acids (HAA5)	EPA 552.2	AI92527	1.0	16-Nov-19 (SJ)	745 ug/l	
Benzo (a) pyrene	EPA 550	AI92424	0.05	25-Oct-19 (SJ)	<0.05 ug/l	
Surrogate: Decafluorobiphenyl	*EPA 550*	*AI92424*		*25-Oct-19 (SJ)*	*53.1 % (45-120)*	
Color	SM 2120 C	AI92427	1.0	25-Sep-19 (PL)	12.6 Color Units	
Cyanide (total)	SM 4500-CN-E	AI92539	0.0050	25-Sep-19 (LA)	<0.0050 mg/l	
MBAS	SM 5540 C	AI92417	0.05	24-Sep-19 (PL)	0.13 mg/l	
Odor	SM 2150B	AL90436	1	23-Sep-19 (SJ)	<1 T.O.N.	
pH	SM 4500H-B	AI92533	0.1	25-Sep-19 (PL)	7.4 pH Units	A-01
Total Alkalinity	SM 2320B	AI92431	1	25-Sep-19 (PL)	166 mg/l	
Carbonate Alkalinity	SM 2320B	AI92431	1	25-Sep-19 (PL)	<1 mg/l	
Bicarbonate Alkalinity	SM 2320B	AI92431	1	25-Sep-19 (PL)	166 mg/l	
Hydroxide Alkalinity	SM 2320B	AI92431	1	25-Sep-19 (PL)	<1 mg/l	
Specific Conductance (EC)	SM 2510B	AI92425	1.0	25-Sep-19 (PL)	1570 umhos/cm	

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 11:11
Subject: (MCC) Quarterly EFF

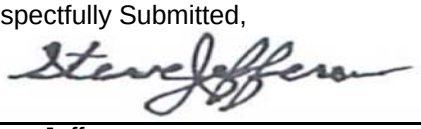
Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0510-01) Collected: 23-Sep-19 By CA						
Bromate	EPA 300.0	AI92619	5.0	24-Sep-19 (PL)	46.8 ug/l	
Chlorite	EPA 300.0	AI92619	20.0	24-Sep-19 (PL)	298 ug/l	
Fluoride	EPA 300.0	AI92319	0.10	24-Sep-19 (PL)	<0.10 mg/l	

Notes and Definitions

A-01 Langelier Index = -0.3 (Non Corrosive)

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

October 4, 2019 Ceres ID: 13052

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on September 27, 2019. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

This work was authorized under Pat-Chem Laboratories' Project # 19I0510.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date &Time
13052-001	19I0510-01 MCC Quarterly EFF	9/27/2019	9/23/2019 11:55

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Method Blank**		**Date Received:** NA
	QC Batch #: 2064	**Date Extracted:** 10/1/2019
	Matrix: Aqueous	**ZB-5MS Analysis:** 10/2/2019
Project ID: 19I0510	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.02	1.49	5.00		13C-2378-TCDD	83.5	31-137	
					CRS			
					37Cl4-2378-TCDD	66.6	35-197	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 2064	**Date Extracted:** 10/1/2019
	Matrix: Aqueous	**ZB-5MS Analysis:** 10/2/2019
Project ID: 19I0510	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	8.73	7.3-14.6	13C-2378-TCDD	80.7	25-141
			CRS		
			37Cl4-2378-TCDD	67.3	37-158

(a) Limits based on method acceptance criteria.

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Client Sample ID: 19I0510-01		
Project ID: 19I0510	**Ceres Sample ID:** 13052-001	**Date Received:** 9/27/2019
	QC Batch #: 2064	**Date Extracted:** 10/1/2019
Date Collected: 9/23/2019	**Matrix:** Aqueous	**ZB-5MS Analysis:** 10/2/2019
Time Collected: 11:55	**Sample Size:** 0.971 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.68	1.49	5.15		13C-2378-TCDD	93.0	31-137	
					CRS			
					37Cl4-2378-TCDD	78.5	42-164	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Pat-Chem Laboratories

19I0510

SENDING LABORATORY:

Pat-Chem Laboratories
1824 1st Street
San Fernando, Ca 91340
Phone: (818)639-5300
Fax: (818)639-5309
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

Ceres Analytical Laboratoy, Inc
4919 Windplay Dr. Suite 1
El Dorado Hills, CA 95762
Phone :(916) 932-5011
Fax: (888) 932-5011

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 19I0510-01 **Water**	**Sampled: 23-Sep-19 11:55**			**IPC - MCC Quartely EFF**
Dioxin 2,3,7,8-TCDD	08-Oct-19 12:00	30-Sep-19 11:55	1107	
Containers Supplied:				

Released By	Date	Received By	Date
	9/24/19		9/27/19 10:46
Released By	Date	Received By	Date

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321921080
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Theresa Trevizo
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Received: 09/25/2019
Analyzed: 10/05/2019

Proj: 19I0510 MCC Quarterly EFF

Test Report: Determination of Asbestos Structures ≥ 0.5 µm & > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS					
						Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)		
19I0510-01 321921080-0001	9/30/2019 04:40 PM	30	1288	0.2210	≥ 0.5 µm	None Detected	ND	0.19	<0.19	0.00 - 0.72
					> 10 µm only	None Detected	ND	0.19	<0.19	0.00 - 0.72

Collection Date/Time: *09/23/2019 11:55 AM*

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 10/07/2019 06:41:42

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

October 17, 2019

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 91340

Attn: Theresa Trevizo

Order No.: 1909547
Invoice No.: 149131
PO No.:
ELAP No.1247-Expires July 2020

RE: 19I0510 MCC Quarterly EFF

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	19I0510-01
01B	19I0510-01
01C	19I0510-01
01D	19I0510-01

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

Approved for release by:

Roxanne Moore, Project Manager

Date: 17-Oct-2019
WorkOrder: 1909547

CASE NARRATIVE

EPA 549.2:
Diquat strongly adsorbs to soil particles that are suspended in water. The strong chemical bonds make the herbicide chemically inactive. When bound with soil particles, the extraction procedure for method EPA 549.2 is ineffective at isolating the bound diquat. Any reported diquat represents the dissolved analyte in the water that has not been bound to the soil particles.

EPA 548:
The endothall recovery for the matrix spike (MS) was outside of acceptance limits. The recovery was within acceptance limits in the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) indicating that the low recovery may be due to matrix effects.

Date: 17-Oct-2019
WorkOrder: 1909547

ANALYTICAL REPORT

Client Sample ID: 19I0510-01
Lab ID: 1909547-01A
Received: 9/27/2019
Collected: 9/23/2019 11:55

Test Name: Glyphosate **Reference:** EPA 547

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND		5.0	µg/L	1.0	10/1/2019	10/1/2019

Client Sample ID: 19I0510-01
Lab ID: 1909547-01B
Received: 9/27/2019
Collected: 9/23/2019 11:55

Test Name: Carbamate and Urea Pesticides **Reference:** EPA 632

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Oxamyl	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Methomyl	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Fenuron	ND		4.0	µg/L	1.0	9/30/2019	10/8/2019
Monuron	ND		4.0	µg/L	1.0	9/30/2019	10/8/2019
Propoxur	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Carbofuran	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Carbaryl	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Fluometuron	ND		4.0	µg/L	1.0	9/30/2019	10/8/2019
Diuron	ND		4.0	µg/L	1.0	9/30/2019	10/8/2019
Propham	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Siduron	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Methiocarb	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Linuron	ND		4.0	µg/L	1.0	9/30/2019	10/8/2019
Swep	ND		4.0	µg/L	1.0	9/30/2019	10/8/2019
Chlorpropham	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Barban	ND		10	µg/L	1.0	9/30/2019	10/8/2019
Neburon	ND		4.0	µg/L	1.0	9/30/2019	10/8/2019
Surrogate: 3,4-Dinitrotoluene	72.7		25.8-117	% Rec	1.0	9/30/2019	10/8/2019

Client Sample ID: 19I0510-01
Lab ID: 1909547-01C
Received: 9/27/2019
Collected: 9/23/2019 11:55

Test Name: EPA 549.2 **Reference:** EPA 549.2

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat (dissolved)	ND		0.40	µg/L	1.0	9/30/2019	10/2/2019

Client Sample ID: 19I0510-01
Lab ID: 1909547-01D
Received: 9/27/2019
Collected: 9/23/2019 11:55

Test Name: Endothall **Reference:** EPA 548.1

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND		45	µg/L	1.0	9/30/2019	10/3/2019
Surrogate: 2,3-D	97.0		78-117	% Rec	1.0	9/30/2019	10/3/2019

North Coast Laboratories, Ltd.

Date: 10/17/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1909547
Project: 19I0510

QC SUMMARY REPORT

Method Blank

Sample ID **MB-100119** Batch ID: **R101077** Test Code: **547W** Units: **µg/L** Analysis Date **10/1/2019 5:54:46 PM** Prep Date **10/1/2019**
Client ID: Run ID: **ORLC9_191001A** SeqNo: **1438488**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	ND	5.0									

Sample ID **MB-37880** Batch ID: **37880** Test Code: **548W** Units: **µg/L** Analysis Date **10/3/2019 6:19:47 PM** Prep Date **9/30/2019**
Client ID: Run ID: **ORGC14_191003A** SeqNo: **1439102**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	ND	45									
Surrogate: 2,3-D	204	0.10	250	0	81.5%	78	117	0			

Sample ID **MB-37884** Batch ID: **37884** Test Code: **549W** Units: **µg/L** Analysis Date **10/2/2019 5:55:04 PM** Prep Date **9/30/2019**
Client ID: Run ID: **ORLC8_191002A** SeqNo: **1439181**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	ND	0.40									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pat-Chem Laboratories
Work Order: 1909547
Project: 19I0510

QC SUMMARY REPORT
Method Blank

Sample ID **MB-37881** Batch ID: **37881** Test Code: **632W** Units: **µg/L** Analysis Date **10/7/2019 10:41:51 PM** Prep Date **9/30/2019**
Client ID: Run ID: **ORLC8_191007B** SeqNo: **1439931**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oxamyl	ND	10									
Methomyl	ND	10									
Fenuron	ND	4.0									
Monuron	ND	4.0									
Propoxur	ND	10									
Carbofuran	ND	10									
Carbaryl	ND	10									
Fluometuron	ND	4.0									
Diuron	ND	4.0									
Propham	ND	10									
Siduron	ND	10									
Methiocarb	ND	10									
Linuron	ND	4.0									
Swep	ND	4.0									
Chlorpropham	ND	10									
Barban	ND	10									
Neburon	ND	4.0									
Surrogate: 3,4-Dinitrotoluene	16.6	0.10	20.0	0	82.8%	26	117	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 10/17/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1909547
Project: 19I0510

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **1909547-01DMS** Batch ID: **37880** Test Code: **548W** Units: **µg/L** Analysis Date **10/3/2019 7:28:20 PM** Prep Date **9/30/2019**

Client ID: **19I0510-01** Run ID: **ORGC14_191003A** SeqNo: **1439105**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	ND	45	225	0	0%	61	114	0			S
Surrogate: 2,3-D	229	0.10	250	0	91.6%	78	117	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 10/17/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1909547
Project: 19I0510

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-100119** Batch ID: **R101077** Test Code: **547W** Units: **µg/L** Analysis Date **10/1/2019 6:16:32 PM** Prep Date **10/1/2019**
Client ID: Run ID: **ORLC9_191001A** SeqNo: **1438489**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	45.92	5.0	50.0	0	91.8%	80	118	0			

Sample ID **LCSD-100119** Batch ID: **R101077** Test Code: **547W** Units: **µg/L** Analysis Date **10/1/2019 6:38:18 PM** Prep Date **10/1/2019**
Client ID: Run ID: **ORLC9_191001A** SeqNo: **1438490**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	48.12	5.0	50.0	0	96.2%	80	118	45.9	4.69%	30	

Sample ID **LCS-37880** Batch ID: **37880** Test Code: **548W** Units: **µg/L** Analysis Date **10/3/2019 6:42:40 PM** Prep Date **9/30/2019**
Client ID: Run ID: **ORGC14_191003A** SeqNo: **1439103**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	158.5	45	225	0	70.4%	61	114	0			
Surrogate: 2,3-D	207	0.10	250	0	82.7%	78	117	0			

Sample ID **LCSD-37880** Batch ID: **37880** Test Code: **548W** Units: **µg/L** Analysis Date **10/3/2019 7:05:34 PM** Prep Date **9/30/2019**
Client ID: Run ID: **ORGC14_191003A** SeqNo: **1439104**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	172.4	45	225	0	76.6%	61	114	158	8.40%	30	
Surrogate: 2,3-D	230	0.10	250	0	92.0%	78	117	207	10.6%	30	

Sample ID **LCS-37884** Batch ID: **37884** Test Code: **549W** Units: **µg/L** Analysis Date **10/2/2019 6:05:48 PM** Prep Date **9/30/2019**
Client ID: Run ID: **ORLC8_191002A** SeqNo: **1439182**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.656	0.40	2.00	0	82.8%	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pat-Chem Laboratories
Work Order: 1909547
Project: 19I0510

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-37884** Batch ID: **37884** Test Code: **549W** Units: **µg/L** Analysis Date **10/2/2019 6:27:14 PM** Prep Date **9/30/2019**
Client ID: Run ID: **ORLC8_191002A** SeqNo: **1439183**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.545	0.40	2.00	0	77.2%	70	130	1.66	6.94%	30	

Sample ID **LCS-37881** Batch ID: **37881** Test Code: **632W** Units: **µg/L** Analysis Date **10/7/2019 11:55:26 PM** Prep Date **9/30/2019**
Client ID: Run ID: **ORLC8_191007B** SeqNo: **1439933**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oxamyl	16.28	10	20.0	0	81.4%	55	111	0			
Methomyl	16.82	10	20.0	0	84.1%	56	112	0			
Fenuron	16.78	4.0	20.0	0	83.9%	53	115	0			
Monuron	16.75	4.0	20.0	0	83.8%	54	117	0			
Propoxur	16.61	10	20.0	0	83.0%	48	122	0			
Carbofuran	16.81	10	20.0	0	84.1%	53	117	0			
Carbaryl	16.57	10	20.0	0	82.8%	56	117	0			
Fluometuron	16.61	4.0	20.0	0	83.0%	53	118	0			
Diuron	16.67	4.0	20.0	0	83.4%	56	116	0			
Propham	15.98	10	20.0	0	79.9%	48	107	0			
Siduron	16.42	10	20.0	0	82.1%	52	121	0			
Methiocarb	17.04	10	20.0	0	85.2%	47	128	0			
Linuron	16.50	4.0	20.0	0	82.5%	54	117	0			
Swep	16.52	4.0	20.0	0	82.6%	54	114	0			
Chlorpropham	16.32	10	20.0	0	81.6%	49	112	0			
Barban	16.02	10	20.0	0	80.1%	55	110	0			
Neburon	16.39	4.0	20.0	0	81.9%	56	118	0			
Surrogate: 3,4-Dinitrotoluene	17.4	0.10	20.0	0	86.8%	26	117	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pat-Chem Laboratories
Work Order: 1909547
Project: 19I0510

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-37881** Batch ID: **37881** Test Code: **632W** Units: **µg/L** Analysis Date **10/8/2019 1:09:02 AM** Prep Date **9/30/2019**
Client ID: Run ID: **ORLC8_191007B** SeqNo: **1439935**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oxamyl	14.76	10	20.0	0	73.8%	55	111	16.3	9.85%	30	
Methomyl	15.16	10	20.0	0	75.8%	56	112	16.8	10.4%	30	
Fenuron	15.37	4.0	20.0	0	76.8%	53	115	16.8	8.78%	30	
Monuron	15.36	4.0	20.0	0	76.8%	54	117	16.8	8.67%	30	
Propoxur	14.44	10	20.0	0	72.2%	48	122	16.6	14.0%	30	
Carbofuran	14.90	10	20.0	0	74.5%	53	117	16.8	12.0%	30	
Carbaryl	15.16	10	20.0	0	75.8%	56	117	16.6	8.90%	30	
Fluometuron	15.22	4.0	20.0	0	76.1%	53	118	16.6	8.74%	30	
Diuron	15.34	4.0	20.0	0	76.7%	56	116	16.7	8.35%	30	
Propham	14.49	10	20.0	0	72.4%	48	107	16.0	9.79%	30	
Siduron	15.26	10	20.0	0	76.3%	52	121	16.4	7.32%	30	
Methiocarb	15.36	10	20.0	0	76.8%	47	128	17.0	10.3%	30	
Linuron	15.17	4.0	20.0	0	75.8%	54	117	16.5	8.39%	30	
Swep	15.14	4.0	20.0	0	75.7%	54	114	16.5	8.71%	30	
Chlorpropham	14.93	10	20.0	0	74.6%	49	112	16.3	8.90%	30	
Barban	14.16	10	20.0	0	70.8%	55	110	16.0	12.4%	30	
Neburon	15.16	4.0	20.0	0	75.8%	56	118	16.4	7.77%	30	
Surrogate: 3,4-Dinitrotoluene	14.5	0.10	20.0	0	72.5%	26	117	17.4	18.0%	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

SUBCONTRACT ORDER

Pat-Chem Laboratories

19I0510

1909547

SENDING LABORATORY:

Pat-Chem Laboratories
1824 1st Street
San Fernando, Ca 91340
Phone: (818)639-5300
Fax: (818)639-5309
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

North Coast Laboratories
5680 W End Road
Arcata, CA 95521
Phone :(707) 822-4649
Fax: (707) 822-6831

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 19I0510-01 Water	**Sampled: 23-Sep-19 11:55**			**IPC - MCC Quartely EFF**
Glyphosate 547	08-Oct-19 12:00	07-Oct-19 11:55	SLG	
632 Carbamates	08-Oct-19 12:00	30-Sep-19 11:55	VOA	
549 Diquat	08-Oct-19 12:00	30-Sep-19 11:55	500 ALP	
548.1 Endothall	08-Oct-19 12:00	30-Sep-19 11:55	~~WA~~ ALP	
Containers Supplied:				

Released By	Date	Received By	Date
	9/24/19		9/27/19 1132
Released By	Date	Received By	Date
			3.2°C / on ice

November 4, 2019

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1912936
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(3 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
19I0510-01 MCC Quarterly EFF	09/23/2019	09/26/2019	SP 1912936-001	W

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	10/07/2019:215698 All analysis quality controls are within established criteria.
	10/02/2019:211347 All preparation quality controls are within established criteria, except: The following note applies to Gross Beta, Gross Alpha: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	10/22/2019:216568 All analysis quality controls are within established criteria.
	10/13/2019:211822 All preparation quality controls are within established criteria.
905.0	10/22/2019:216878 All analysis quality controls are within established criteria.
	10/14/2019:211885 All preparation quality controls are within established criteria.
906.0	10/02/2019:215357 All analysis quality controls are within established criteria.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

November 4, 2019 Lab ID : SP 1912936
Pat-Chem Laboratories Customer : 2-12670

Radio QC

906.0	10/01/2019:211295 All preparation quality controls are within established criteria.
Ra - 05	10/28/2019:217158 All analysis quality controls are within established criteria.
	10/21/2019:211823 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

314.0	10/08/2019:215745 All analysis quality controls are within established criteria.
	10/07/2019:211618 All preparation quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2019-11-05

November 4, 2019

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 19I0510-01
Project : 19I0510

Lab ID : SP 1912936-001
Customer ID : 2-12670

Sampled On : September 23, 2019-11:55
Sampled By : Not Available
Received On : September 26, 2019-07:55
Matrix : Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Perchlorate	ND	4	ug/L		314.0	10/07/19:211618	314.0	10/08/19:215745

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

November 4, 2019

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 19I0510-01
Project : 19I0510

Lab ID : SP 1912936-001
Customer ID : 2-12670

Sampled On : September 23, 2019-11:55
Sampled By : Not Available
Received On : September 26, 2019-07:55
Matrix : Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	2.32 ± 1.19	1.40	pCi/L	15/5	900.0	10/02/19-13:00 2P1911347	900.0	10/07/19-15:53 2A1915698
Gross Beta	13.6 ± 1.42	1.04	pCi/L	50	900.0	10/02/19-13:00 2P1911347	900.0	10/07/19-15:53 2A1915698
Strontium 90	0.000 ± 0.291	0.546	pCi/L	8	905.0	10/14/19-18:00 2P1911885	905.0	10/22/19-17:00 2A1916878
Total Alpha Radium (226)	0.000 ± 0.148	0.752	pCi/L	3	903.0	10/13/19-10:15 2P1911822	903.0	10/22/19-16:18 2A1916568
Tritium	367 ± 270	434	pCi/L	20000	906.0	10/01/19-08:30 2P1911295	906.0	10/02/19-04:26 2A1915357
Ra 228	0.610 ± 0.826	0.400	pCi/L	2	Ra - 05	10/21/19-18:00 2P1911823	Ra - 05	10/28/19-18:30 2A1917158

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

November 4, 2019 Lab ID : SP 1912936
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	10/07/19:211618mca	Blank	ug/L		ND	<4	
			LCS	ug/L	25.00	93.6 %	85-115	
			MS	ug/L	25.00	90.8 %	80-120	
		(SP 1912476-001)	MSD	ug/L	25.00	91.5 %	80-120	
			MSRPD	ug/L	25.00	0.7%	≤15	
		(SP 1912476-001)	Dup	ug/L		0.040	4	
	314.0	10/08/19:215745MCA	CCB	ppb		1.15	2.0	
			CCV	ppb	20.00	104 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	99.8 %	85-115	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

November 4, 2019 Lab ID : SP 1912936
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	10/07/19:215698JCA	CCV	cpm	7804	43.1 %	35-47	
			CCB	cpm		0.1600	0.21	
Beta	900.0	10/07/19:215698JCA	CCV	cpm	7804	93.5 %	83-94	
			CCB	cpm		0.4000	0.51	
Gross Alpha	900.0	10/02/19:211347jca	Blank	pCi/L		2.45	3	
			LCS	pCi/L	155.2	88.7 %	75-125	
			MS	pCi/L	310.4	65.1 %	60-140	
		(SP 1912936-001)	MSD	pCi/L	310.4	50.7 %	60-140	435
			MSRPD	pCi/L	310.4	24.6%	≤30	
Gross Beta	900.0	10/02/19:211347jca	Blank	pCi/L		0.91	4	
			LCS	pCi/L	26.42	108 %	84-160	
			MS	pCi/L	52.84	33.4 %	80-130	435
		(SP 1912936-001)	MSD	pCi/L	52.84	30.3 %	80-130	435
			MSRPD	pCi/L	310.4	5.4%	≤30	
Alpha	903.0	10/22/19:216568JCA	CCV	cpm	8144	37.7 %	37-46	
			CCB	cpm		0.0800	0.16	
Total Alpha Radium (226)	903.0	10/13/19:211822emv	RgBlk	pCi/L		0.009	2	
			LCS	pCi/L	23.33	54.7 %	52-107	
			BS	pCi/L	23.33	54.9 %	43-111	
			BSD	pCi/L	23.33	52.7 %	43-111	
			BSRPD	pCi/L	23.33	4.0%	≤35.5	
Beta	905.0	10/22/19:216878emv	CCV	cpm	8145	92.0 %	85-93	
			CCB	cpm		0.4400	0.58	
Total Strontium	905.0	10/14/19:211885emv	RgBlk	pCi/L		0.34	2	
			LRS	pCi/L	15.47	95.0 %	53-133	
			BS	pCi/L	15.47	93.8 %	75-125	
			BSD	pCi/L	15.47	94.2 %	75-125	
			BSRPD	pCi/L	15.47	0.4%	≤20	
Tritium	906.0	10/01/19:211295jca	Blank	pCi/L		133	<300	
			LCS	pCi/L	1743	110 %	75-125	
			BS	pCi/L	1743	90.6 %	75-125	
			BSD	pCi/L	1743	94.3 %	75-125	
			BSRPD	pCi/L	1743	3.6%	≤25	
	906.0	10/02/19:215357jca	CCV	pCi/L	25390	104 %	90-110	
			CCB	pCi/L		33	500	
Beta	Ra - 05	10/28/19:217158emv	CCV	cpm	8140	88.6 %	84-94	
			CCB	cpm		0.4200	0.48	
Ra 228	Ra - 05	10/21/19:211823emv	RgBlk	pCi/L		0.21	3	
			LRS	pCi/L	14.28	66.1 %	65-108	
			BS	pCi/L	14.28	83.2 %	75-125	
			BSD	pCi/L	14.28	88.8 %	75-125	
			BSRPD	pCi/L	14.28	0.80	≤3	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

November 4, 2019 Lab ID : SP 1912936
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Definition	
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

SUBCONTRACT ORDER

Pat-Chem Laboratories

19I0510

1912936

SENDING LABORATORY:

Pat-Chem Laboratories
1824 1st Street
San Fernando, Ca 91340
Phone: (818)639-5300
Fax: (818)639-5309
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 19I0510-01 **Water**	**Sampled: 23-Sep-19 11:55**			**IPC - MCC Quartely EFF**
Tritium (Sub out)	08-Oct-19 12:00	25-Sep-19 11:55	400 mL	
Sr-90 (Strontium 90)	08-Oct-19 12:00	21-Mar-20 11:55	32oz	
Radium 226 228	08-Oct-19 12:00	21-Mar-20 11:55	4L	
Perchlorate 314.0	08-Oct-19 12:00	21-Oct-19 11:55	1L	
Gross Alpha-Beta	08-Oct-19 12:00	21-Mar-20 11:55	1L	
Containers Supplied:				

Released By	Date	Received By	Date
	9/26/19 0755		9/26/19 7:55
Released By	Date	Received By	Date

11°C

19I0510

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0510 HA

Customer: IPC, Inc.
Address: 9297 Research Drive Irvine CA 92618

Project : (MCC) Quarterly EFF

Sampled by:

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/23/19	1155	✓ 1	Ag, Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Mg, Hg, Ni, Se, Tl, Zn, Ca	Grab	AQ	1L P	HN	
			✓ 1	F, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1L P	4°C	
			✓ 1	CN	Grab	AQ	250 P	OH, AA	
			✓ 1	MBAS ✓	Grab	AQ	500 P	4°C	
			✓ 1	Perchlorate	Grab	AQ	500 P	4°C	
			✓ 4	524, 504	Grab	AQ	2-VOA	4°C	
			✓ 7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			✓ 5	Asbestos, Diquat, Endothall, Glphosate, Dioxon- 2,3,7,8 TCCD	Grab	AQ	1L G	4°C	
			✓ 6	Radioactive-Radium-226 & 228,Gross Alpha, Gross Beta,Strontium-90,Tritium,	Grab	AQ	1L G	4°C	
			✓ 1	Uranium	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRC)	09/23/19	14:10
Received by		Illegible (Illegible)	9/23/19	14:16
Relinquished by		Illegible (Pat-Chem)	9/23/19	16:30
Received by				
Relinquished by				
Received in lab by		Jaime Rodriguez	9/23/19	16:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions
2. Independent Contractor
3. Orders and Acceptance
4. Limit of Liability
5. Clients Responsibility
6. Cancellation
7. Overriding Agreement
8. Force Majeure
9. Confidentiality
10. Hold Harmless
11. Hazardous Substances
12. Prices/Payments
13. Agreement Modification
14. No Third Party Beneficiaries; No Right of Reliance
15. Rush Analysis
16. Holding Times
17. Sample Retention
18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

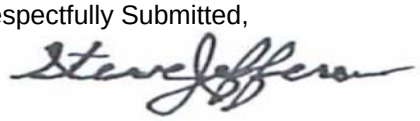
Attention: Ric Vardel
Report Date: 30-Sep-19 15:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0538-01) Collected: 24-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92533	0.1	24-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92534	0.05	25-Sep-19 (JC)	0.10 mg/l	
Fecal Coliforms	SM 9221E	AI92436	1.8	26-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92436	1.8	26-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0538

Customer: ~~IPC, Inc.~~		**Project :** ~~(MCC) Daily EFF~~	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	09/24/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39 / 22.7°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	09/24/19	13:00
Received by		Hernando Cervas (PatChem)	9/24/19	13:00
Relinquished by		Hernando Cervas (PatChem)	9/24/19	16:20
Received by				
Relinquished by				
Received in lab by		Jake Parada	9/24/19	16:20

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale including the price schedule, and any additions or amendments thereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or updated from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Standard Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a fabricate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examinations of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from some methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the stipulated amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the safety and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or in connection with the results delivered by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered. Any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be required to be or unauthorized disclosure of such data. All data and standard work product PCL reports and information generated thereunder are for the exclusive use and benefit of client and client agrees that it shall not to third party beneficiaries of such reports, data or information. Client will not disclose to any third party any software or computer mining technology information, software or processing of the information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and investigations (governmental or otherwise), including, but not limited to, all court fees, fines, litigation expenses and attorneys' fees and expenses arising in favor of Client or any third party to a contract, and/or in any way resulting from or arising out of, or in connection with the performance of services by PCL and each of their agents, employees, representatives, handling of the sample or other chemicals or materials. Client agrees that in the event of breach of warranty, breach of contract or tort by PCL, or its employees, Client's exclusive remedy shall be limited to the re-performance of the services by PCL or its employees. Except as otherwise provided, PCL shall not be responsible for any acts or omissions of any contractor, agent or employee of Client, whether actual or alleged, in the performance of services under this agreement. The foregoing shall be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by adequate liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, even if PCL has been advised of the possibility of such damages. Client shall not be entitled to recover from PCL any amounts in excess of the amounts paid by client to PCL under this agreement.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples that may be analytes such as chemicals, environmental pollutants, hazardous or toxic substances, or chemicals, materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, regulations, ordinances, permits now existing or hereafter enacted or promulgated by any judicial or administrative agency or body (collectively "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client shall remain property of client and remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the Client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or at the time the services were rendered or was previously quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or under a form of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30 DAYS unless stated otherwise in writing. To the fullest extent permitted by law, all fees are due and payable, per amount subject to the original invoice, 30 days or subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, or deletions or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL does have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, is not an agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any person, or other securities or the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Nitrate) must be delivered the same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

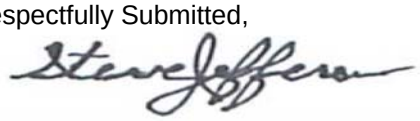
Attention: Ric Vardel
Report Date: 01-Oct-19 14:24
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19I0578-01) Collected: 24-Sep-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AI92609	2	01-Oct-19 (REM)	426 mg/l	
Total Suspended Solids	SM 2540D	AI92611	1	26-Sep-19 (EA)	314 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910578

Customer: IPC, Inc.	Project : (MCC) Weekly INF
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: C. Ch
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/24/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
	1	1	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ch	Carlos Alvarez	9/25/19	13:25
Received by		Armando Olmos (Patchem)	9/25/19	13:25
Relinquished by		Armando Olmos (Patchem)	9/25/19	16:00
Received by				
Relinquished by				
Received in lab by		Jaime Parada	9/25/19	16:20

Sample Received Checklist

Temperature upon receipt: 40c

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? ~~Yes~~ No

Samples in holding time? ~~Yes~~ No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule, as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (and other items) only upon the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes an acceptance by the client of PCL's offer to do business with the client under the terms and condition and is an agreement by the client to these terms and conditions. The Client's delivery of samples to PCL or initiating consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use sound methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), U.S. Waterboard (USAF), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site, and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern over performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such data or results is otherwise available to the public or is the prior property of client but PCL has to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or court process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of client's data which such standard was followed. PCL reports and information provided shall be for the exclusive use and benefit of client and PCL agrees there shall be no third party beneficiaries of PCL's reports, data or information. Client will not disclose to any third party any information, testing, technical information, software, procedures or other techniques.

10. Hold Harmless

Client releases and does hold harmless, defend and indemnify PCL, its employees, officers, directors, agents, affiliates, contractors and their successors from and against any and all claims, demands, causes of action, damages, losses, deficiencies, liabilities, costs and expenses (including reasonable attorneys' fees) and expert witness fees) resulting from, relating to or arising in favor of Client or any third party as a result of, certified or any way arising incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transporting, handling, or disposal of client's hazardous materials. In no event shall any liability or claim of personal injury, property damage or any other loss, damage or expense of any kind or character to any person or property be asserted against PCL based upon or arising out of any contamination or pollution of the environment which may occur in the performance of services under this agreement. The foregoing indemnification will not be applicable to any liability caused by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not apply to any claims against, or liability of, PCL and the other indemnified persons, to the extent prohibited under applicable law. The foregoing indemnity shall not apply to any liability caused by the sole negligence or willful misconduct of any of the foregoing indemnified persons. In no event shall PCL be liable to client (whether such liability is based on contract, tort, negligence, strict liability or otherwise) for any special, punitive, indirect or consequential damages (including without limitation, loss of profit or business interruption) or related expenses in connection therewith, without limitation, attorney's fees), even if client has given prior notice of the possibility of such damages or expenses or such damages or expenses were foreseeable. Client shall indemnify, defend and hold harmless PCL from and against any and all claims, demands, causes of action, damages, losses, deficiencies, liabilities, costs and expenses (including reasonable attorneys' fees) asserted against or incurred by PCL by reason of or resulting from the negligent or willful acts or omissions of client and its employees, agents, subcontractors and others acting on client's behalf in connection with or relating to this agreement or any services provided under this agreement, even if such acts or omissions are alleged to be the sole or partial responsibility of PCL, unless such claim against or liability for PCL or any indemnified person is connected with this agreement or any services provided under this agreement and if such is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples of materials for analysis which are suspected to contain hazardous, harmful or regulated substances, pollutants, wastes or by-products which are defined, determined or identified as such by federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client acknowledges and agrees that any Hazardous Material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any microbiological analysis shall not be checked a sample disposal fee, and sample substitution, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect on the date of acceptance of the order. Prices are subject to change at any time without notice. Payment in advance or other security is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are 30 ("Credit") days from date of invoices. To the fullest extent permitted by law, all or any portion of an unpaid balance not disputed in good faith by client shall be subject to interest at the rate of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are obtained through legal proceedings (e.g. by an attorney), the client shall pay reasonable costs and attorney's fees or assists from or incurred with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an authorized officer of PCL. Additional requirements and/or subsequent orders for additional services may be required in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or party. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall not be used to solicitations, in connection with or as part of, the purchase, sale, underwriting, or registration of securities, any periodic or other reporting to the Securities and Exchange Commission, the obtaining, amendment, renewal or extension of any loan from any financial institution or other lender or the qualification to or contracting with, directly or indirectly, any governmental agency or instrumentality.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are expired because of samples that are received on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less (except nitrate and nitrite) 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, nitrates must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding Times of 48 hours or less (nitrates in 6 hours) must be delivered on the same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable Note has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

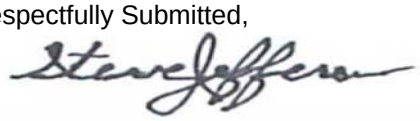
Attention: Ric Vardel
Report Date: 30-Sep-19 15:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0576-01) Collected: 25-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92616	0.1	25-Sep-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92615	0.05	26-Sep-19 (JC)	0.50 mg/l	
Fecal Coliforms	SM 9221E	AI92532	1.8	27-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92532	1.8	27-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0576

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	09/25/19	1225	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.30 / 19.0°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Arturo (APC)	09/25/19	17:25
Received by	Armando Olmos (Patchem)	9/25/19	17:25
Relinquished by	Armando Olmos (Patchem)	9/25/19	16:00
Received by			
Relinquished by			
Received in lab by	Jan Parker	9/25/19	16:0

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments thereto which are accepted by writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. **Independent Contractor**

PCL acts solely as an independent contractor in performing all services.

3. **Orders and Acceptance**

PCL offers and will accept orders for services (or quoting services) only subject to the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL for laboratory/consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed collectively a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean any work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. **Limit of Liability**

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the US Environmental Protection Agency (EPA), CA Waterboard (CLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) or the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from those methodologies as necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of the service under and/or payment releases PCL from any liability in excess of the invoiced amount for the services not corresponding any provisions to the contrary in any client purchase orders or contracts.

5. **Clients Responsibility**

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. **Cancellation**

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. **Overriding Agreement**

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except in the event the Terms are modified in writing and executed by an authorized representative of both parties.

8. **Force Majeure**

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. **Confidentiality**

Data and the sample materials provided by client or on client's behalf and the results obtained by PCL shall be held in confidence unless such information is given or available to the public or is in the public domain or client has filed a gag PCL for actual damages in connection with breach of the agreement subject to any deliberate rights covered by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data which such standard was observed. PCL reports and confidential information provided hereunder are for the exclusive use and benefit of client and Client agrees that it shall not to third party transferees of the reports, data or information. Client will not disclose to any third party any written agreement governing technical and/or financial Software and any other Information.

10. **Hold Harmless**

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, consultants and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and expenses (including, without limitation, reasonable attorneys' fees and costs) whatsoever, arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or the manufacturing, handling or disposal of client's products, materials, [illegible] Breach of all of pursuant 7 [illegible] of Damage to, loss of, or loss of use of property, and [illegible] from or out of every kind of character. This indemnity shall apply to any of the foregoing losses, costs, damages, or liabilities caused in whole by the acts, negligence or willful misconduct of PCL or its employees. However, this indemnity shall not apply to any such losses, claims, damages, liabilities or expenses caused by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall apply to any and all actions, suits, proceedings, claims, demands, losses and liabilities arising out of client's breach of its representations and warranties set forth in this agreement, including, but not limited to, attorneys' fees and costs, whether or not suit is instituted. Client shall indemnify, defend and hold harmless PCL from and against any and all claims, demands, losses, liabilities, costs and expenses, including, but not limited to, attorneys' fees and costs, whether or not suit is instituted, arising out of or in connection with client's failure to comply with any applicable law, rule or regulation. Client agrees that its liability indemnity, and/or reimbursement as provided herein shall be in addition to any insurance proceeds paid to the indemnified party or its agents by virtue of any insurance policy or policies, and shall be due and payable hereunder regardless of whether or not such insurance proceeds are sufficient to cover the indemnified party's loss or damage and regardless of whether or not such insurance policy or policies shall have been determined to be applicable to any such loss or damage. Client expressly understands and agrees that any insurance policy(ies) that may be purchased by PCL naming Client as a co-insured under PCL's policy(ies) of insurance shall not in any way limit the liability of Client to PCL. Client expressly understands and agrees that Client is required to name PCL as an additional insured under Client's insurance policies. Client further understands and agrees that Client's purchase of such insurance does not relieve Client of any responsibility or obligation under this agreement.

11. **Hazardous Substances**

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses, such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws. Client represents to PCL that client has disclosed to PCL the nature of the samples and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples, which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any soil bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. **Prices/Payments**

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order for the services and according to the terms stated on the face of the invoice or in writing. The price schedule will apply to all orders and services unless otherwise stated. Payment terms are net 30 days unless otherwise agreed to in writing by PCL. Unless stated otherwise, terms include reasonable packaging and shipping charges. Any applicable taxes, duties or other governmental charges shall be paid by customer but any amount subject to this provision shall not be subject to interest. In the event of late payment, client agrees to pay interest at the rate of [illegible] per month or the highest rate permitted by law, whichever is less. Client agrees to pay all costs of collection through legal proceedings or arbitration, or otherwise, including reasonable attorneys' fees and costs. Client shall pay all taxes associated with or arising out of the services provided by PCL, including sales, use, excise, value added, gross receipts, and similar taxes, but excluding taxes based on the net income of PCL. Client shall pay all charges for services, expenses and costs incurred by PCL on behalf of client in any third party, as a result of, or in connection with the performance of services by PCL pursuant to this agreement and/or manufacturing, handling or disposal of client's products, materials, [illegible] Breach of all of pursuant 7 [illegible] of Damage to, loss of, or loss of use of property, and [illegible] from or out of every kind of character. This indemnity shall apply to any of the foregoing losses, costs, damages, or liabilities caused in whole by the acts, negligence or willful misconduct of PCL or its employees. However, this indemnity shall not apply to any such losses, claims, damages, liabilities or expenses caused by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall apply to any and all actions, suits, proceedings, claims, demands, losses and liabilities arising out of client's breach of its representations and warranties set forth in this agreement, including, but not limited to, attorneys' fees and costs, whether or not suit is instituted. Client shall indemnify, defend and hold harmless PCL from and against any and all claims, demands, losses, liabilities, costs and expenses, including, but not limited to, attorneys' fees and costs, whether or not suit is instituted, arising out of or in connection with client's failure to comply with any applicable law, rule or regulation. Client agrees that its liability indemnity, and/or reimbursement as provided herein shall be in addition to any insurance proceeds paid to the indemnified party or its agents by virtue of any insurance policy or policies, and shall be due and payable hereunder regardless of whether or not such insurance proceeds are sufficient to cover the indemnified party's loss or damage and regardless of whether or not such insurance policy or policies shall have been determined to be applicable to any such loss or damage. Client expressly understands and agrees that any insurance policy(ies) that may be purchased by PCL naming Client as a co-insured under PCL's policy(ies) of insurance shall not in any way limit the liability of Client to PCL. Client expressly understands and agrees that Client is required to name PCL as an additional insured under Client's insurance policies. Client further understands and agrees that Client's purchase of such insurance does not relieve Client of any responsibility or obligation under this agreement.

13. **Agreement Modification**

[illegible] This agreement constitutes the entire agreement between the parties and supersedes all prior agreements, understandings, negotiations and discussions, whether oral or written, of the parties. No supplement, modification, or amendment of this agreement shall be binding unless executed in writing by both parties. No waiver of any of the provisions of this agreement shall be deemed, or shall constitute, a waiver of any other provision, whether or not similar, nor shall any waiver constitute a continuing waiver. No waiver shall be binding unless executed in writing by the party making the waiver. Subsequent orders for additional services may be accepted by PCL by verbal agreement.

14. **No Third Party Beneficiaries; No Right of Reliance**

PCL shall have no responsibility or liability for the [illegible] of or reliance on data, information, or reports furnished to the Client in providing services hereunder for the client account. It is not as agent or principal, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no person or entity other than client shall have any right to rely on such data, information or reports furnished by PCL. Client represents, warrants, and agrees that such data, information and reports will not be relied upon or used by client or any third party in connection with or as part of any joint venture, underwriting, solicitation, [illegible] offering, or prospectus, or the preparation of any similar document, or for the purpose of any litigation, or the solicitation of or entering into any contract, or the solicitation of or conveying any interest in real property, or for the extension of credit from any financial institution or other person, or the solicitation of or conveying any interest in the solicitation of or conveying any interest in, directly or indirectly, any governmental agency or department.

15. **Rush Analysis**

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. **Holding Times**

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or other days on weekdays without prior notification and acceptance. Standard holding times and method modifications should be reviewed in order to be compared being performed by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 15 days or less (samples must arrive within 96 hours from sampling) must meet holding times. [illegible] allowing a minimum of 24 hours for client sampling. All short holding times (i.e. 72 hours) must be delivered [illegible] and 24 hours in order to [illegible] holding times are met. After hours, site pickup for short holding times [illegible] and are subject to additional surcharges for capacity to meet holding times. No holding times are [illegible] of the public information and are subject to change without notice.

17. **Sample Retention**

All samples are retained for an [illegible] days after analysis has been completed. Samples kept for longer periods may require storage. Samples being held for long term storage is subject to an additional charge. Samples will be disposed of at the end of a predetermined time [illegible]

18. **Sample Pick Up/Field Tech Sampling**

Where sample pick up has been initiated on the first collection, the same technician will be utilized for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed as additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Oct-19 14:21
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0577-01) Collected: 25-Sep-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AI92608	0.10	26-Sep-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AI92618	0.02	26-Sep-19 (LA)	1.46 mg/l	
Nitrite as N	EPA 353.2	AI92618	0.02	26-Sep-19 (LA)	0.05 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI93021	0.10	30-Sep-19 (SGS)	0.50 mg/l	
Total Suspended Solids	SM 2540D	AI92611	1	26-Sep-19 (EA)	1 mg/l	
EFF (Sample I.D.# : 19I0577-02) Collected: 24-Sep-19 By AV						
Biochemical Oxygen Demand	SM 5210B	AI92609	2	01-Oct-19 (REM)	4 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0577

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/25/19	1225	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	09/24/19	0000	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Carc)	09/25/19	17:25
Received by		Armando Olmos (PatChe)	9/25/19	17:25
Relinquished by		Armando Olmos (PatChe)	9/25/19	16:00
Received by				
Relinquished by				
Received in lab by		Tara Bush	9/25/19	16:00

Sample Received Checklist

Temperature upon receipt: 4cc

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additional or amended terms to which we may, and to which we may not, agree. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and/or its parents, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services on delivery terms only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may place services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes Client's acceptance of PCL's offer to do business with the Client under the Terms and conditions and Client's agreement to be bound by these Terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms or conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the Terms and conditions.

For purposes of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial compliance with the U.S. Environmental Protection Agency (EPA), Tri Watch Manual (TWAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM), or the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's assignment of a work order and/or original receipt PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for sampling. PCL of the tasks and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform its services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and other information provided by client at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or otherwise lawful to use) for an exclusive recipient of information's breach of this agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized interception of such information while such data is in transit. Except as otherwise provided in this agreement, PCL reports and information provided thereunder are for the exclusive use and benefit of Client and PCL agrees that it will not disclose such reports or information to any third party without the prior written consent of Client. Client will not disclose to any third party any information, pricing, technical information, software, or strategies of PCL unless there is consent.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL (its employees, officers, directors, agents, affiliates, subsidiaries and parent companies) from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, attorneys' fees, litigation expenses and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement, except to the extent resulting or caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character, arising out of and in connection with the negligence of an agent of Contract, by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnification shall be in addition to any rights which the client may have at law, PCL and the other indemnified persons. To the extent required by law, client agrees that it will maintain adequate insurance coverage to be maintained pursuant, which insurance shall name the indemnified persons under such agreement. In the event of an PCL be called to testify in any civil, criminal, or administrative action proceeding, without limitation, loss of profit or business interruption, litigation expenses, at their own discretion, without limitation, attorney's fees, court costs, and/or post-judgment collection, in any other instance in cases by client or any other party, or any litigation against or involving PCL or any other third person in connection with this agreement or any services provided under this agreement, and if, and to the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples necessary for analyses such as subject to, pyrophoric materials, explosives, bacteria or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, regulations or ordinances (whether now existing or hereafter enacted or promulgated or any official or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule (which is subject to change at any time without notice). Payment will be made in advance of any service or upon receipt of invoice unless credit has been established with PCL. All invoices are due and payable upon receipt. No terms or payment of charges are NET 30 days unless by the specific written agreement of PCL. In the event payment is not received within thirty (30) days of invoice, client shall pay a late charge of 1.5% per month on the unpaid balance. Unpaid accounts may be collected through legal collection or by an attorney. The client shall pay reasonable collection and attorney's fees, as well as court costs, incurred in connection with such collection and recovery efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if agreed to in writing and executed by an officer of PCL and by one of authorized representatives of Client. PCL's subsequent orders for additional services shall not be deemed to be a waiver of the Terms or any part thereof unless expressly agreed to in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished to PCL. Client is securing services hereunder for its own account, and not as agent or principal for any other person. PCL is not aware of any other persons who will rely on the services hereunder, and client agrees that any data, information and reports are not intended for use by, and shall not be used by, any person, in connection with or as part of, the purpose of, or in underwriting, all or any portion of any transaction with any person or other business entity. Without limiting the foregoing, all information, reports, and any other services provided by PCL hereunder are for the exclusive use of client and its affiliates, and no other person or entity is entitled to rely thereon, and client agrees to indemnify, defend and hold PCL harmless from any claims, liabilities, losses, damages, costs and expenses (including attorneys' fees) arising out of or in connection with any such use or reliance.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded between samples that are delivered or shipped on a Saturday, Sunday or holiday (or any weekdays without prior notification and acceptance). Standard holding times and other conditions should be reviewed in order to any sample receiving received by PCL. In cases of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 24 hours of sampling. PCL cannot holding times cannot be met. Holding times of 48 hours or less samples must be delivered within 24 hours of sampling. Samples received after 3:00 PM may be delivered the next day. All 7 days, and delivered by 3:00 PM. Samples, drinks or similar, soils are subject to additional work fees and/or may be subject to lab holding times. All holding times are subject to the lab's discretion at the top within 24 hours of the sampling. Samples received by PCL that holding times can be met, holding times of 48 hours or less samples must be delivered the next day

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Sep-19 15:52
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0593-01) Collected: 26-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92717	0.1	26-Sep-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92621	0.50	26-Sep-19 (JC)	3.4 mg/l	
Fecal Coliforms	SM 9221E	AI92614	1.8	28-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92614	1.8	28-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 191593

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/26/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	09/26/19	
Received by	EG	Evan G (PCL)	9-26-19	1230
Relinquished by	EG	Evan G (PCL)	9.26.19	1400
Received by				
Relinquished by				
Received in lab by		Jairo Parada	9/26/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule and any additions or amendments hereto to which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 40 Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a price order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or Client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of conduct by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted or as allow by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or effort.

13. Agreement Modification

Changes, modifications or amendments to these Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries, No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or a part of the purchase, sale, underwriting, or distribution of any securities. Any 10K or other reporting to holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, i.e. 72 hours, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Sep-19 15:55
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0613-01) Collected: 27-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92816	0.1	27-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92817	0.25	28-Sep-19 (JC)	1.6 mg/l	
Fecal Coliforms	SM 9221E	AI92715	1.8	29-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92715	1.8	29-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0613

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	09/27/19	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54 / 17.6°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	09/27/19	11:37
Received by		Armando Ochoa (Pat-Chem)	9/27/19	11:37
Relinquished by		Armando Ochoa (Pat-Chem)	9/27/19	14:15
Received by				
Relinquished by				
Received in lab by		Jake Parra	9/27/19	16:15

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water SO - Soil / Sludge OT - Other	HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments nevertheless are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or marketing services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (or deliverables) only under the following General Terms and conditions (the "Terms"). These Terms shall be agreed if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and (ii) an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of sampling services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder (subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to all disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not use reasonable care for unauthorized disclosure of such data, which such standard was observed. PCL reports are information provided thereto are for the exclusive use and benefit of client and PCL agrees that it shall not be a third party beneficiary of such reports. Client is not to disclose Client's name to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client (releasor) will hold save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates (collectively and each a "Indemnified Person") harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and reasonable expenses (including but not limited to attorneys fees (the Litigation Expenses") and costs of investigation) (collectively "Losses") of them or any third party as a result of, and or in any way relating incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials, 1. injury, sickness or death of persons or 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of any kind or nature. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to client claims (and any actions of every kind and charge, by anyone at all) in connection with the negligence (other than of PCL and its Indemnified Persons), omission, failure or alleged error in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which may exist or be asserted by law, or PCL and the other rules binding persons. To the extent necessary with applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption (Litigation Expenses in other fees including, without limitation, attorney's fees, court costs, and the cost of time (whether or not employees), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples (samples) for analysis such as asbestos, polychlorinated biphenyls, bacteria, toxins or other hazardous toxic materials, wastes and substances which are defined, determined to identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any these of the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analytical bacterial analysis client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the date the services were rendered or such prices mutually agreed upon/stated in writing. The price schedule is subject to change at any time at PCL's sole discretion. Payment is due upon receipt of invoice. If payment is received by PCL after thirty (30) days from the date of invoice, client shall pay a late charge of 1.5% per month on the unpaid balance. If unpaid amounts are referred to collection agency or attorney for collection, client shall pay all costs of collection, including reasonable attorneys' fees and costs. Client shall pay all taxes, duties and assessments (except taxes based on PCL's net income) imposed in connection with the sale or the performance of services hereunder, and client will reimburse PCL for any such taxes, duties or assessments paid or payable by PCL. Client shall pay all invoices in full without any deduction or offset of any kind. In the event client fails to pay PCL within thirty (30) days of the invoice date, PCL may, at its option, suspend performance of services until client has paid all amounts due and has provided PCL with adequate assurance of client's ability to pay for future services. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of any delinquent amounts due to PCL for services performed or expenses incurred by PCL.

13. Agreement Modification

Client may request changes to or modifications to the Terms in writing. Any such changes or modifications will not be effective unless and until PCL has agreed to them in writing and a written change order is executed by both parties. PCL shall not be bound by any subsequent orders for additional services that may be issued by client.

14. No Third Party Beneficiaries, No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services from PCL for client's own account and not as agent for, or on behalf of, any other person or entity. Client acknowledges and agrees that there are no third party beneficiaries to this agreement, and that no third party (including, but not limited to, any purchaser of property owned by client) may rely on any information or reports furnished by PCL to client. Client agrees that all data, information, or reports furnished by PCL to client shall be used by client solely in connection with its own internal use, and that client will not sell, transfer, sublicense, or distribute any such data, information, or reports to any other party (including, but not limited to, any prospective purchaser of property owned by client) without PCL's prior written consent. Client shall not publish or otherwise disclose the results of any services performed by PCL hereunder to any third parties without PCL's prior written consent. Client shall not use any data, information, or reports furnished by PCL to client in any manner that is misleading or inconsistent with applicable law.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turn around time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or received after business hours, on weekends, without prior notification and acceptance. Standard holding times and shortened ones should be reviewed prior to any analysis being received by PCL. A list of holding times can be provided to the client upon request. All analyses will have times of 24 hours or less. Samples must arrive within 36 hours to allow PCL to meet holding times without incurring weekend surcharge. All short holding times (i.e. 7 days, or less) must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (example is 6 hour) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company, drivers or similar issues are subject to additional surcharges and/or the inability to meet holding times. All holding times are effective as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after all work has been completed. Sample storage for longer periods is by request only. Per sample long term storage is subject to an additional charge. Samples will be disposed at the end of the per arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been entered on the fee schedule. Reasonable fees have been established for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

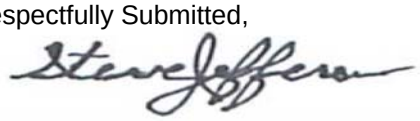
Attention: Ric Vardel
Report Date: 04-Oct-19 16:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0617-01) Collected: 28-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI92816	0.1	28-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92818	0.05	28-Sep-19 (JC)	0.75 mg/l	
Fecal Coliforms	SM 9221E	AI92815	1.8	30-Sep-19 (REM)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92815	1.8	30-Sep-19 (REM)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910617

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-28-19	10:17	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	9-28-19	10:17
Received by	RM (PCL)	9/28/19	1145
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	9/29/19	13:26

Sample Received Checklist

Temperature upon receipt: 4C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments to which we agree to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or his/her/s, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such documents may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms may not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Note of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or its agent for consulting services constitutes Client's unconditional assent to be governed by these terms and conditions. No additional or different terms and conditions expressed in a client's document shall be deemed to become a part of this contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA state (Cal-EPA/ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or other prior based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and its progress releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extend the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples submitted by client or at client's request and the results obtained by PCL shall be held in confidence. Publication of such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses to protect its own confidential data and shall not be responsible for unauthorized disclosure of data where such standard was observed. PCL reports and information produced shall not be for the exclusive use and benefit of client and client agrees that shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other technology.

10. Hold Harmless

Client releases, will defend, save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (the "Liabilities") asserted and/or actually arising in favor of client or any 3rd party as a result of, and/or in any way connected, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement, except to the extent such liability or damage is caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by client, its subcontractors, agents, whether active or passive, in the performance of services under this agreement. The foregoing indemnities shall be in addition to any remedy which the client may have in law, and the other indemnities herein. To the extent permitted by law, client shall also defend any claim or suit brought against PCL by a third party for which client has agreed to indemnify PCL and the client agrees to pay all costs, damages and attorneys fees that may be awarded against PCL in connection with any such claim or suit. Client's indemnification obligations shall include, but not be limited to, all consequential damages including, without limitation, loss of profits or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and the cost of appellate counsel), or any other expenses or costs incurred by client or any third party in any litigation, claims or involving PCL or any indemnified parties in connection with this agreement to the extent permitted under this agreement except client's fraud or willful misconduct.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive complete materials for analysis such as potential, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, wastes and substances which are defined, referenced or identified as such under federal, state or local laws, rules, PCL agrees to regulations (whether now existing or hereafter enacted or promulgated) or any material, administration, interpretation of any thereof (the "Hazardous Materials"). Client expressly accepts and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for waste bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations in the state the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or where analysis is completed is required for all new clients or until a history of payment satisfactory to PCL is established with PCL. For those clients with an established credit history, the terms for payment of invoices are NET 30 from invoice date (30 days from date of invoice). To the fullest extent permitted by law and by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are to be sued through legal proceedings, or by an attorney, the client shall pay reasonable costs and attorneys fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications, or amendments to the terms shall be effective only in writing and executed by an officer of PCL and the client subsequent agreements, excepting subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or party. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that no data, information or reports are represented, or shall be used or relied upon, in connection with or as part of the purchase, sale, underwriting, or syndication of any securities, any exercise or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or communication with any of its officers, and governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any sampling received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before exceptions to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) 5 hours must be delivered the same day in order to meet short holding times are met. When issues like delivery, weight concerns delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick-up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

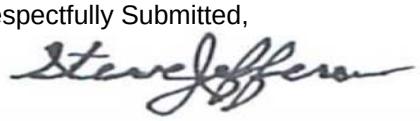
Attention: Ric Vardel
Report Date: 04-Oct-19 17:07
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0625-01) Collected: 29-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI93017	0.1	29-Sep-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI93018	0.05	30-Sep-19 (PL)	0.19 mg/l	
Fecal Coliforms	SM 9221E	AI92919	1.8	01-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92919	1.8	01-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 191025

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-29-19	10:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44/24.9°
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	9-29-19	10:40
Received by		Jordan Corkery	9-29-19	18:40
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	9-29-19	13:37

Sample Received Checklist

Temperature upon receipt: 4c

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including or sampling services and his or her owners, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule or such documents as may be amended or issued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services as defined herein only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and condition and 2. an agreement to be bound by these Terms and conditions. The Client's delivery of samples to PCL or authorized Consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions proposed in a client's document shall be deemed to constitute a part of the contract created upon acceptance of the Terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), EA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of work under this proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent or duplicative additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence. PCL shall not disclose such information to any person or entity other than the client, except as required by law or to any services rendered or in connection with the performance of services pursuant to the agreement. Notwithstanding the foregoing, PCL shall be entitled to disclose such information in connection with any dispute between PCL and the client regarding the services rendered or in connection with the enforcement of PCL's rights hereunder. Client understands that in the course of the agreement, PCL may engage subcontractors to assist in certain process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of samples where such disclosure was beyond PCL control. Any and all reports and information provided hereunder are for the exclusive use and benefit of client and no other person shall be or third party beneficiary of such reports, data or information. Client will not disclose to any third party any information regarding technologies, methods, software or processes of PCL from whatever source.

10. Hold Harmless

Client hereby will and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, losses, and associated costs, including, but not limited to, all court fees, fines, litigation, settlement and awards arising in favor of Client or any third party as a result of, and/or in any way relating, incidental or arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials, injury, damage or death of persons or loss of damage to property, any of it from whatever of every kind of character. The indemnity does not apply to any of the foregoing losses, costs, damages, to incurred caused solely by the gross negligence or willful misconduct of PCL, its employees. Further, the indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of the client or client's agents, employees, subcontractors, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by insurance liability insurance coverage to be maintained by client, which insurance shall be in full force and effect and PCL on false business for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruptions, litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or expert witness judgment interest), or any other expenses to costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or services provided under this agreement except if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will disclose and PCL will receive samples materials for asbestos such as asbestos, polychlorinated biphenyl, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous materials received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis shall will be charged a sample disposal fee per sample submitted in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Unless otherwise agreed in accordance with PCL's applicable price schedule in effect at the time of application of the date the request is made in writing or with prior quotation and later confirmed in writing, the price schedule is subject to change at any time without notice. Payment is due in full upon completion of the services or receipt of an invoice, whichever occurs first. If payment arrangements have not been established with PCL for those accounts with an established credit account, the terms of payment of charges are NET 30 days from invoice date. Client agrees to pay all costs, to the fullest extent permitted by law, including reasonable attorneys' fees and court costs, incurred by PCL in its attempts to collect any amount owed to PCL hereunder. Client agrees to pay interest at the lesser of five percent (5%) per month or the highest amount of unpaid amounts to be collected through legal proceedings by an attorney. The client agrees to pay all costs and expenses of PCL's agents, including attorneys, engaged in collection efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by Client. Authorized representatives, except that subsequent orders for additional services may be given orally.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client, including, without limitation, its agents, employees, and not as agent or employee, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used or relied upon, in connection with or as part of the purchase, sale, underwriting, or syndication of any securities, any periodic or other reporting or requirement of any security, the issuing, guarantee, renewal, or extension of any loan from any financial institution or other lender, or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and are to be arranged in advance. If, for any unforeseen reason, the rush cannot be met, the normal time will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that were delivered or received or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to allow time for testing. Any analytes with short holding times of 24 hours or less (0.5 to 1 hours) must be delivered immediately to receive by qualified holding times are met. Circumstances like delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are subject as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are returned for all waste fully disposed. After analysis, samples are retained for a period of 30 days for storage periods is by request only. Prices beyond long term storage is subject to an additional charge. Samples will be disposed at the end of the period unless otherwise.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling services must be requested on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, may be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

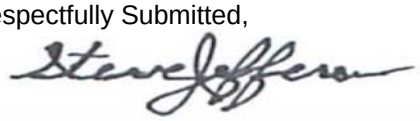
Attention: Ric Vardel
Report Date: 04-Oct-19 17:13
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0644-01) Collected: 30-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AJ90120	0.1	30-Sep-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90119	0.05	01-Oct-19 (JC)	0.96 mg/l	
Fecal Coliforms	SM 9221E	AI93028	1.8	02-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI93028	1.8	02-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0644

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/30/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	09/30/19	
Received by	EB	Carlos PCL	9.30.19	1300
Relinquished by	EB	Carlos PCL	9.30.19	1415
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	9/30/19	1915

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Oct-19 17:15
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0021-01) Collected: 01-Oct-19 By Carlos Alvarez						
pH	SM4500-H-B	AJ90128	0.1	01-Oct-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90126	0.05	01-Oct-19 (JC)	0.38 mg/l	
Fecal Coliforms	SM 9221E	AJ90117	1.8	03-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ90117	1.8	03-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0021

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. Ch	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/01/19	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 21.3°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ch	Carlos Alvarez (IPC)	10/01/19	1250
Received by	[illegible]	[illegible] (PatChem)	10/1/19	1240
Relinquished by	[illegible]	[illegible] (PatChem)	10/1/19	1530
Received by				
Relinquished by				
Received in lab by	[illegible]	MARIO SANTIESTEBAN (PCL)	10/1/19	1530

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Oct-19 15:05
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0034-01) Collected: 01-Oct-19 By Carlos Alvarez						
Boron	EPA 200.7	AJ90214	0.10	03-Oct-19 (AF)	0.42 mg/l	
MBAS	SM 5540C	AJ90218	0.20	02-Oct-19 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AJ90308	5	03-Oct-19 (WW)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AJ90738	0.03	07-Oct-19 (LA)	0.28 mg/l	
Total Dissolved Solids	SM 2540C	AJ90228	5	03-Oct-19 (EA)	888 mg/l	
Chloride	EPA 300.0	AJ90118	1.0	02-Oct-19 (AV)	291 mg/l	
Sulfate as SO4	EPA 300.0	AJ90118	0.5	02-Oct-19 (AV)	127 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/7/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19I0034

Customer: IPC, Inc.		Project : (MCC) Monthly EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/01/19	1155	1	SO4, Cl, TDS	Grab	AQ	1/2	4°C	
			1	MBAS	Grab	AQ	Gal. P 500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/01/19	17:40
Received by		[illegible] (Pat-Chem)	10/1/19	17:40
Relinquished by		[illegible] (Pat-Chem)	10/1/19	18:32
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	10/1/19	1530

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

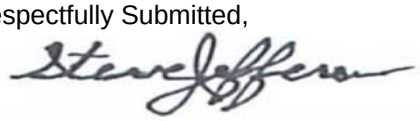
Attention: Ric Vardel
Report Date: 14-Oct-19 15:28
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19J0058-01) Collected: 01-Oct-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AJ90313	2	08-Oct-19 (REM)	546 mg/l	
Total Suspended Solids	SM 2540D	AJ90316	1	03-Oct-19 (EA)	247 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/14/2019
Laboratory Director

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
19J0058-01	BOD SM5210B		Sampled->Prepared > 2.00 days VERSION 6.18:2013 Default Report (not modified)

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0058

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C. D.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/01/19	0000	1	TSS	Composite	AQ	1L P	4°C	
1	1	1	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C. D.	Carlos Alvarez (GPC)	10/02/19	
Received by: EG	Evan G.	Pat	10/2/19 1230
Relinquished by: EG	Evan G.	Pat	10.2.19 1500
Received by:			
Relinquished by:			
Received in lab by:	Jairo Parada	10/2/19	15:20

Sample Received Checklist

Temperature upon receipt: 4/6

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

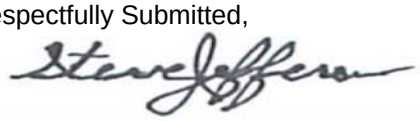
Attention: Ric Vardel
Report Date: 14-Oct-19 15:28
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19J0058-01) Collected: 01-Oct-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AJ90313	2	08-Oct-19 (REM)	546 mg/l	
Total Suspended Solids	SM 2540D	AJ90316	1	03-Oct-19 (EA)	247 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/14/2019
Laboratory Director

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
19J0058-01	BOD SM5210B		Sampled->Prepared > 2.00 days VERSION 6.18:2013 Default Report (not modified)

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0058

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C. D.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/01/19	0000	1	TSS	Composite	AQ	1L P	4°C	
1	1	1	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C. D.	Carlos Alvarez (GPC)	10/02/19	
Received by: EG	Evan G.	Pat	10/2/19 1230
Relinquished by: EG	Evan G.	Pat	10.2.19 1500
Received by:			
Relinquished by:			
Received in lab by:	Jairo Parada	10/2/19	15:20

Sample Received Checklist

Temperature upon receipt: 4/6

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

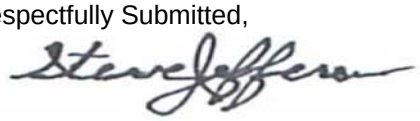
Attention: Ric Vardel
Report Date: 04-Oct-19 17:18
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0059-01) Collected: 02-Oct-19 By Carlos Alvarez						
pH	SM4500-H-B	AJ90234	0.1	02-Oct-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90233	0.05	02-Oct-19 (JC)	0.76 mg/l	
Fecal Coliforms	SM 9221E	AJ90224	1.8	04-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ90224	1.8	04-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/4/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0054

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/02/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	10/02/19	
Received by		pm	10/2/19	1230
Relinquished by		pm	10.2.19	1500
Received by				
Relinquished by				
Received in lab by		Jairo Parada	10/2/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

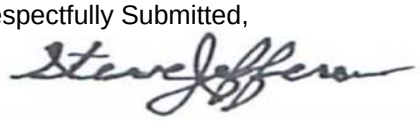
Attention: Ric Vardel
Report Date: 14-Oct-19 15:26
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0061-01) Collected: 02-Oct-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AJ90309	0.10	03-Oct-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AJ90318	0.02	03-Oct-19 (SGS)	0.18 mg/l	
Nitrite as N	EPA 353.2	AJ90318	0.02	03-Oct-19 (SGS)	0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AJ90221	0.50	04-Oct-19 (SGS)	<0.50 mg/l	
Total Suspended Solids	SM 2540D	AJ90316	1	03-Oct-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19J0061-02) Collected: 01-Oct-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AJ90313	2	08-Oct-19 (REM)	3 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0061

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/02/19	1150	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	10/01/19	0000	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by			
Received by	[illegible]	10/2/19	1230
Relinquished by	[illegible]	10.2.19	1500
Received by			
Relinquished by			
Received in lab by	Jair Pacheco	10/2/19	1500

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? ~~Yes~~ No

Samples properly preserved? ~~Yes~~ No

Samples in holding time? ~~Yes~~ No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

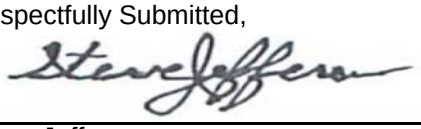
Attention: Ric Vardel
Report Date: 07-Oct-19 14:54
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0092-01) Collected: 03-Oct-19 By Carlos Alvarez						
pH	SM4500-H-B	AJ90320	0.1	03-Oct-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90319	0.25	03-Oct-19 (JC)	1.3 mg/l	
Fecal Coliforms	SM 9221E	AJ90312	1.8	05-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ90312	1.8	05-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/7/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19 J00 92-01

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C. Ramos	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/03/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ramos	Carlos Alvarez (IPC)	10/03/19	
Received by	EG Emb	MM	10/3/19	1230
Relinquished by	EG Emb	MM	10/3/19	1400
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Oct-19 14:57
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0119-01) Collected: 04-Oct-19 By Carlos Alvarez						
pH	SM4500-H-B	AJ90518	0.1	04-Oct-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90517	0.50	05-Oct-19 (JC)	2.5 mg/l	
Fecal Coliforms	SM 9221E	AJ90411	1.8	06-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ90411	1.8	06-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/7/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0119

Customer: IPC, Inc.		Project : ~~(MCC) Daily EFF~~	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. Ardavin	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/04/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/18.3°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ardavin	Carlos Ardavin (GRC)	10/04/19	12:10
Received by		Alejandro Olmos (Pat-Chem)	10/4/19	12:10
Relinquished by		Alejandro Olmos (Pat-Chem)	10/4/19	15:10
Received by				
Relinquished by				
Received in lab by		Jairo Parra	10/4/19	15:10

Sample Received Checklist

Temperature upon receipt: 4/C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

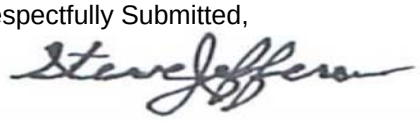
Attention: Ric Vardel
Report Date: 14-Oct-19 14:06
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0136-01) Collected: 05-Oct-19 By Carlos Alvarez						
pH	SM4500-H-B	AJ90522	0.1	05-Oct-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90519	0.05	05-Oct-19 (JC)	0.66 mg/l	
Fecal Coliforms	SM 9221E	AJ90515	1.8	08-Oct-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ90515	1.8	08-Oct-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0136

Customer: IPC, Inc. (MCC) Daily EFF
Address: 9297 Research Drive, Irvine, CA 92618
Project :
Sampled by: Joseph Clark
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/5/19	9:58A	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph L. Clark	Joseph Clark (IPC)	10/5/19	9:59A
Received by: Jose L Gomez	Jose L Gomez	10/5/19	1005
Relinquished by: Jose L Gomez	Jose L Gomez	10/5/19	1115
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	10/5/19	1115

Sample Received Checklist

Temperature upon receipt: 13°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

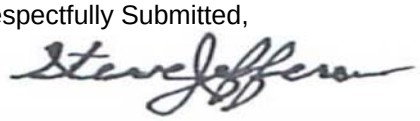
Attention: Ric Vardel
Report Date: 14-Oct-19 14:08
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0144-01) Collected: 06-Oct-19 By Victor Arikian						
pH	SM4500-H-B	AJ90729	0.1	06-Oct-19 (PL)	6.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90732	0.05	07-Oct-19 (PL)	0.10 mg/l	
Fecal Coliforms	SM 9221E	AJ90617	1.8	08-Oct-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ90617	1.8	08-Oct-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1950144-01

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/6/19	10:22	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	10/6/19	12:22
Received by	Jordan Corkery	10/6/19	12:05
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	10/6/19	13:40

Sample Received Checklist

Temperature upon receipt: 4oc

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

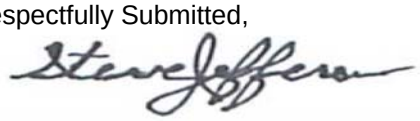
Attention: Ric Vardel
Report Date: 14-Oct-19 15:11
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0166-01) Collected: 07-Oct-19 By c. A.						
pH	SM4500-H-B	AJ90821	0.1	07-Oct-19 (PL)	6.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90822	0.05	08-Oct-19 (PL)	0.34 mg/l	
Fecal Coliforms	SM 9221E	AJ90746	1.8	09-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ90746	1.8	09-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0166

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/07/19	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.6/22.1
"	"		1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	10/07/19	1:00
Received by			10/7/19	1:00
Relinquished by		CM	10/7/19	1400
Received by				
Relinquished by				
Received in lab by		Jade Park	10/7/19	14:20

Sample Received Checklist

Temperature upon receipt: 4.0c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

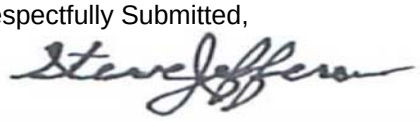
Attention: Ric Vardel
Report Date: 14-Oct-19 15:13
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0187-01) Collected: 08-Oct-19 By c. A.						
pH	SM4500-H-B	AJ90938	0.1	08-Oct-19 (JC)	6.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90939	0.05	09-Oct-19 (JC)	0.57 mg/l	
Fecal Coliforms	SM 9221E	AJ90832	1.8	10-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ90832	1.8	10-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0187

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project : (MCC) Daily EFF
Sampled by: C. Ric Vardel / Golan Kfir
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	10/08/19	1240	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.8 / 26.7
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/08/19	12:45
Received by		Cindy Mostafavi	10/8/19	12:45
Relinquished by		Cindy Mostafavi	10/8/19	17:35
Received by				
Relinquished by				
Received in lab by		Jairo Parada	10/8/19	17:35

Sample Received Checklist

Temperature upon receipt: 2°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

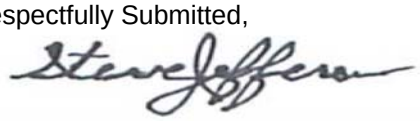
Attention: Ric Vardel
Report Date: 21-Oct-19 15:18
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19J0220-01) Collected: 08-Oct-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AJ91014	2	15-Oct-19 (REM)	451 mg/l	
Total Suspended Solids	SM 2540D	AJ91015	1	10-Oct-19 (EA)	252 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0220

Customer: IPC, Inc.	Project : (MCC) Weekly INF
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: C. Alvarez
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/08/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
"	"	"	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (Cafec)	10/09/19	12:40
Received by	Armando Olmos (PatChem)	Armando Olmos (PatChem)	10/9/19	12:40
Relinquished by	Armando Olmos (PatChem)	Armando Olmos (PatChem)	10/9/19	15:15
Received by				
Relinquished by				
Received in lab by		Jairo Parada	10/9/19	15:15

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Oct-19 15:15
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0218-01) Collected: 09-Oct-19 By c. A.						
pH	SM4500-H-B	AJ91009	0.1	09-Oct-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91008	0.05	10-Oct-19 (JC)	0.18 mg/l	
Fecal Coliforms	SM 9221E	AJ90937	1.8	11-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ90937	1.8	11-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0218

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/09/19	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39/20.8°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/09/19	12:40
Received by		Armando Ochoa (Patchem)	10/9/19	12:40
Relinquished by		Armando Ochoa (Patchem)	10/9/19	15:15
Received by				
Relinquished by				
Received in lab by		Jairo Parada	10/9/19	15:15

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

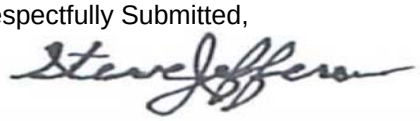
Attention: Ric Vardel
Report Date: 22-Oct-19 14:19
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0219-01) Collected: 09-Oct-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AJ91020	0.10	11-Oct-19 (SGS)	0.10 mg/l	
Nitrate as N	EPA 353.2	AJ90935	0.02	09-Oct-19 (LA)	0.17 mg/l	
Nitrite as N	EPA 353.2	AJ90935	0.02	09-Oct-19 (LA)	0.04 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AJ91426	0.10	17-Oct-19 (LA)	0.84 mg/l	
Total Suspended Solids	SM 2540D	AJ91015	1	10-Oct-19 (EA)	1 mg/l	
EFF (Sample I.D.# : 19J0219-02) Collected: 08-Oct-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AJ91014	2	15-Oct-19 (REM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0219

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/09/19	1155	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	10/08/19	0000	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cpc)	10/09/19	12:40
Received by		Armando Olmos (Patchem)	10/9/19	12:40
Relinquished by		Armando Olmos (Patchem)	10/9/19	15:15
Received by				
Relinquished by				
Received in lab by		Jairo Parada	10/9/19	15:15

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

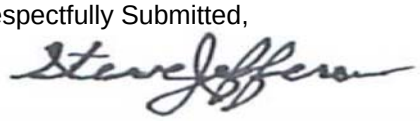
Attention: Ric Vardel
Report Date: 14-Oct-19 15:17
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0251-01) Collected: 10-Oct-19 By c. A.						
pH	SM4500-H-B	AJ91222	0.1	10-Oct-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91223	0.05	11-Oct-19 (JC)	0.25 mg/l	
Fecal Coliforms	SM 9221E	AJ91007	1.8	12-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91007	1.8	12-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0251

Customer: ~~IPC, Inc.~~		Project : ~~(MCC) Daily EFF~~	
Address: ~~9297 Research Drive~~ Irvine ~~CA~~ 92618		Sampled by:	P.O. #:
		Report Attention: Rie Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/10/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39/20.1°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GSO)	10/10/19	12:15
Received by		Hermenegildo Cuevas (Pat-Chem)	10/10/19	12:15
Relinquished by		Hermenegildo Cuevas (Pat-Chem)	10/10/19	15:30
Received by				
Relinquished by				
Received in lab by		Jason Parker	10/10/19	15:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

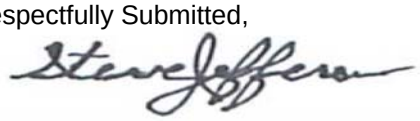
Attention: Ric Vardel
Report Date: 14-Oct-19 15:20
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0264-01) Collected: 11-Oct-19 By c. A.						
pH	SM4500-H-B	AJ91222	0.1	11-Oct-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91223	0.05	12-Oct-19 (JC)	0.57 mg/l	
Fecal Coliforms	SM 9221E	AJ91108	1.8	13-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91108	1.8	13-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0264

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project: (MCC) Daily EFF

Sampled by: Carlos Alvarez
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/11/19	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.62/15.7°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/11/19	1442
Received by		MARIO SANTIESTEBAN (PCC)	10/11/19	1442
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCC)	10/11/19	1601

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Oct-19 15:22
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0272-01) Collected: 12-Oct-19 By Joseph Clark						
pH	SM4500-H-B	AJ91319	0.1	12-Oct-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91318	0.05	13-Oct-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ91221	1.8	14-Oct-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91221	1.8	14-Oct-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0272

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: Joseph Clark Report Attention: Ric Vardel / Golan Kfir
	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/12/19	1135	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	10/12/19	1140
Received by:	RM (PCL)	10/12/19	1520
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	RM (PCL)	10/12/19	1720

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

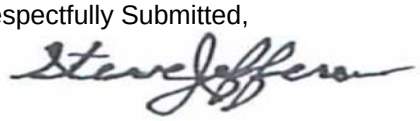
Attention: Ric Vardel
Report Date: 21-Oct-19 13:47
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0276-01) Collected: 13-Oct-19 By Victor Arikian						
pH	SM4500-H-B	AJ91319	0.1	13-Oct-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91318	0.05	13-Oct-19 (JC)	0.86 mg/l	
Fecal Coliforms	SM 9221E	AJ91317	1.8	15-Oct-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91317	1.8	15-Oct-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0276

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARZIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/13/19	10:13	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARZIKIAN (IPC)	10/13/19	10:13
Received by	Jordan Corkery	10/13/19	10:13
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	10/13/19	1100

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

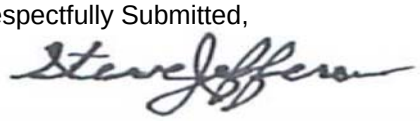
Attention: Ric Vardel
Report Date: 21-Oct-19 15:43
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0302-01) Collected: 14-Oct-19 By C. A.						
pH	SM4500-H-B	AJ91525	0.1	14-Oct-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91526	0.10	15-Oct-19 (PL)	1.7 mg/l	
Fecal Coliforms	SM 9221E	AJ91428	1.8	16-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91428	1.8	16-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0302

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/14/19	1205	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/21.2°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/14/19	12:55
Received by		Armando Olmos (Pat Chem)	10/14/19	12:55
Relinquished by		Armando Olmos (Pat Chem)	10/14/19	15:05
Received by				
Relinquished by				
Received in lab by		Jaime Barajas	10/14/19	15:05

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? Yes (No)

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

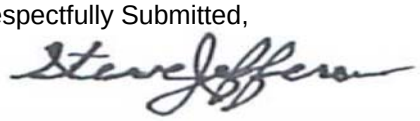
Attention: Ric Vardel
Report Date: 22-Oct-19 13:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0334-01) Collected: 15-Oct-19 By C. A.						
pH	SM4500-H-B	AJ91640	0.1	15-Oct-19 (JC)	6.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91639	0.10	16-Oct-19 (JC)	1.1 mg/l	
Fecal Coliforms	SM 9221E	AJ91535	1.8	17-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91535	1.8	17-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0334-01

Customer: IPC, Inc. (MCC) Daily EFF
Address: 9297 Research Drive, Irvine, CA 92618
Project :
Sampled by:
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/15/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.7 / 21.7
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	21.7

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/15/19	12:15
Received by			10-15-19	12:15
Relinquished by			10-15-19	14:55
Received by				
Relinquished by				
Received in lab by		Jaime Padilla	10/15/19	14:55

Sample Received Checklist

Temperature upon receipt: 6°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

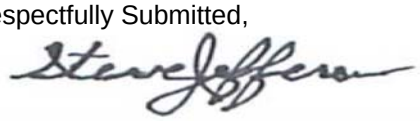
Attention: Ric Vardel
Report Date: 22-Oct-19 14:32
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19J0368-01) Collected: 15-Oct-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AJ91716	2	22-Oct-19 (EA)	373 mg/l	
Total Suspended Solids	SM 2540D	AJ91717	1	17-Oct-19 (EA)	224 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0368

Customer: IPC, Inc.		Project : ~~(MCC) Weekly INF~~	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
INF	10/15/19	0000	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/16/19	
Received by		Jairo Mendivar	10/16/19	1:00PM
Relinquished by		Jairo Mendivar	10/16/19	3:00PM
Received by				
Relinquished by				
Received in lab by		Jairo Parada	10/16/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

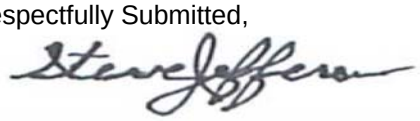
Attention: Ric Vardel
Report Date: 22-Oct-19 13:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0369-01) Collected: 16-Oct-19 By C. A.						
pH	SM4500-H-B	AJ91651	0.1	16-Oct-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91652	0.50	16-Oct-19 (JC)	3.8 mg/l	
Fecal Coliforms	SM 9221E	AJ91638	1.8	18-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91638	1.8	18-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0364

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive	**Project :**
Address: Irvine CA 92618	**Sampled by:** Ric Vardel / Golan Kfir
	Report Attention:
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	10/16/19	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
~~Logcode: IPCI~~
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by			
Received by	Jairo Meniver	10/16/19	1:00pm
Relinquished by	Jairo Meniver	10/16/19	3:00pm
Received by			
Relinquished by			
Received in lab by	Jairo Paraiva	10/16/19	15:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Oct-19 15:10
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0370-01) Collected: 16-Oct-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AJ91813	0.10	18-Oct-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AJ91712	0.02	17-Oct-19 (SGS)	0.30 mg/l	
Nitrite as N	EPA 353.2	AJ91712	0.02	17-Oct-19 (SGS)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AJ92130	0.10	22-Oct-19 (LA)	0.57 mg/l	
Total Suspended Solids	SM 2540D	AJ91717	1	17-Oct-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19J0370-02) Collected: 15-Oct-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AJ91716	2	22-Oct-19 (EA)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1950316

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project: (MCC) Weekly EFF

Sampled by: C. [illegible]

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/16/19	1200	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	10/15/19	0000	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (GPC)	10/16/19	
Received by	[signature]	Jairo Menjivar	10/16/19	1:00PM
Relinquished by	[signature]	Jairo Menjivar	10/16/19	3:00PM
Received by				
Relinquished by				
Received in lab by	[signature]	Jairo Parada	10/16/19	15:20

Sample Received Checklist 4°C

Temperature upon receipt: _____

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

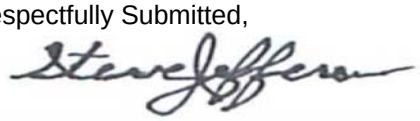
Attention: Ric Vardel
Report Date: 22-Oct-19 14:43
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0391-01) Collected: 17-Oct-19 By C. A.						
pH	SM4500-H-B	AJ91815	0.1	17-Oct-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91816	0.25	18-Oct-19 (JC)	1.5 mg/l	
Fecal Coliforms	SM 9221E	AJ91713	1.8	19-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91713	1.8	19-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0391

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/17/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	10/17/19	
Received by		Jairo Mendivar	10/17/19	12:40PM
Relinquished by		Jairo Mendivar	10/17/19	3:00PM
Received by				
Relinquished by				
Received in lab by		Jairo Estrada	10/17/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

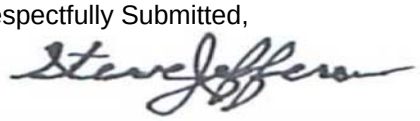
Attention: Ric Vardel
Report Date: 22-Oct-19 14:47
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0413-01) Collected: 18-Oct-19 By gK						
pH	SM4500-H-B	AJ91929	0.1	18-Oct-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ91928	0.05	19-Oct-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ91814	1.8	20-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91814	1.8	20-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0413

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/18/19	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.31 / 18.0°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	10/18/19	12:15
Received by	Armando Ochoa (Patchem)	10/18/19	12:15
Relinquished by	Armando Ochoa (Patchem)	10/18/19	14:20
Received by			
Relinquished by			
Received in lab by	Jairo Parada	10/18/19	14:20

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

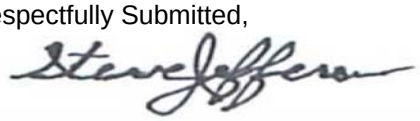
Attention: Ric Vardel
Report Date: 22-Oct-19 14:59
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0424-01) Collected: 19-Oct-19 By Joseph Clark						
pH	SM4500-H-B	AJ92023	0.1	19-Oct-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92024	0.05	20-Oct-19 (JC)	0.26 mg/l	
Fecal Coliforms	SM 9221E	AJ91927	1.8	21-Oct-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ91927	1.8	21-Oct-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 95042a

IPC, Inc.
~~(MCC) Daily EFF~~

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: Joseph Clark
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	10/19/19	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	10/19/19	0955
Received by: RM	RM (PCL)	10/19/19	1530
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	10/19/19	1650

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Oct-19 15:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0428-01) Collected: 20-Oct-19 By Victor Arikian						
pH	SM4500-H-B	AJ92123	0.1	20-Oct-19 (PL)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92125	0.05	21-Oct-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ92022	1.8	22-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92022	1.8	22-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/22/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19T0428

Customer: IPC, Inc.
Address: 9297 Research Drive Irvine CA 92618

Project: (MCC) Daily EFF

Sampled by: VICTOR ARIKIAN

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/20/19	09:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (PCL)	10-2019	09:35
Received by	RM	(PCL)	10/20/19	1345
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	10/20/19	1520

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

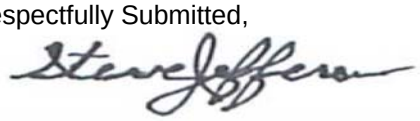
Attention: Ric Vardel
Report Date: 16-Nov-19 12:28
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0441-01) Collected: 21-Oct-19 By CA						
pH	SM 4500-H-B	AJ92239	0.1	21-Oct-19 (JC)	6.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92240	0.05	22-Oct-19 (JC)	0.44 mg/l	
Fecal Coliforms	SM 9221E	AJ92150	1.8	23-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92150	1.8	23-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0441

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C. Alvarez	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/21/19	1215	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.6/27.0
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	10/21/19	12:30
Received by		Environmental Express	10/21/19	12:30
Relinquished by		Environmental Express	10/21/19	14:00
Received by				
Relinquished by				
Received in lab by		Jairo Parada	10/21/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Nov-19 12:35
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0458-01) Collected: 22-Oct-19 By CA						
pH	SM 4500-H-B	AJ92329	0.1	22-Oct-19 (PL)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92330	0.10	23-Oct-19 (PL)	1.7 mg/l	
Fecal Coliforms	SM 9221E	AJ92250	1.8	24-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92250	1.8	24-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0458

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive
Project :

Address: Irvine CA 92618
Sampled by: Ric Vardel / Golan Kfir
P.O. #:

Report Attention:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/22/19	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	10/22/19	
Received by	[illegible]	10/22/19	1230
Relinquished by	[illegible]	10/22/19	1408
Received by			
Relinquished by			
Received in lab by	Jairo Portugal	10/22/19	14:20

Sample Received Checklist

Temperature upon receipt: 4°c
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

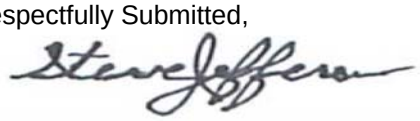
Attention: Ric Vardel
Report Date: 20-Nov-19 13:04
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19J0498-01) Collected: 22-Oct-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AJ92421	5	29-Oct-19 (RM)	463 mg/l	
Total Suspended Solids	SM2540D	AJ92415	1	24-Oct-19 (SS)	271 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0498

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/22/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
			1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GSE)	10/23/19	13:00
Received by		Hermenegildo Olivas (Pat-Chem)	10/23/19	13:00
Relinquished by		Hermenegildo Olivas (Pat-Chem)	10/23/19	15:10
Received by				
Relinquished by				
Received in lab by			10/23/19	15:10

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (or deliverables) hereof only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written (or oral) order to PCL. Any such order constitutes 1. an acceptance by the Client of PCL's offer to do business with the Client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a Client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable, PCL will use accepted methodologies, which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are subjected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other intellectual.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (for litigation, arbitration and appeals) arising in favor of Client or any third party as a result of, and/or in any way relating, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. Economic loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence (or breach of contract) by any Indemnified Person, whether active or passive, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary or as applicable law, Client agrees that its indemnity obligation will be supported by liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption (taxation expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party or any legal claim against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples customarily for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacteriological analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Quotes/bids per PCL in accordance with PCL's agreed to price schedule in effect at the time of submission on the date the services were rendered or within prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET EIGHT within thirty (30) days from date of invoices. To the fullest extent permitted by or by the applicable law, any amount unpaid as the end of month (EOM) date is subject to interest at the rate of the maximum rate permitted by law in one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 4pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 72 hours, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (nitrate is a 48 hour) must be delivered that same day in order to guarantee holding times are met. Short hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding time are in effect as of the publication date of our fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is on request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed as additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

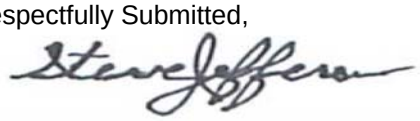
Attention: Ric Vardel
Report Date: 16-Nov-19 12:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0500-01) Collected: 23-Oct-19 By CA						
pH	SM 4500-H-B	AJ92418	0.1	23-Oct-19 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92419	0.05	24-Oct-19 (JC)	0.29 mg/l	
Fecal Coliforms	SM 9221E	AJ92350	1.8	25-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92350	1.8	25-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0500

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project : (MCC) Daily EFF

Sampled by: C. Alvarez
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/23/19	1230	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.24 / 23°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	10/23/19	13:00
Received by		Hernando Arvis (PCL)	10/23/19	0:00
Relinquished by		Armando Ramos (PatChem)	10/23/19	15:10
Received by				
Relinquished by				
Received in lab by		Jairo Parada	10/23/19	15:10

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

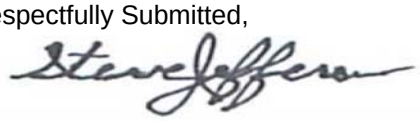
Attention: Ric Vardel
Report Date: 20-Nov-19 12:16
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0497-01) Collected: 23-Oct-19 By CA						
Ammonia as N	EPA 350.2	AJ92413	0.05	24-Oct-19 (SS)	<0.05 mg/l	
Nitrate as N	EPA 353.2	AJ92416	0.02	24-Oct-19 (LA)	7.23 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AJ92414	0.05	25-Oct-19 (LA)	0.79 mg/l	
Total Suspended Solids	SM2540D	AJ92415	1	24-Oct-19 (SS)	<1 mg/l	
Nitrite as N	EPA 353.2	AJ92416	0.02	24-Oct-19 (LA)	0.05 mg/l	
EFF (Sample I.D.# : 19J0497-02) Collected: 22-Oct-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AJ92421	5	29-Oct-19 (RM)	14 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0497

Customer: IPC, Inc.	Project : (MCC) Weekly EFF
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: C. Ch.
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/23/19	1230	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	10/22/19	0000	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ch.	Carlos Alvarez (IPC)	10/23/19	13:00
Received by		Hernando Cruz (IPC)	10/23/19	13:00
Relinquished by		Hernando Cruz (IPC)	10/23/19	15:10
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions
2. Independent Contractor
3. Orders and Acceptance
4. Limit of Liability
5. Clients Responsibility
6. Cancellation
7. Overriding Agreement
8. Force Majeure
9. Confidentiality
10. Hold Harmless
11. Hazardous Substances
12. Prices/Payments
13. Agreement Modification
14. No Third Party Beneficiaries; No Right of Reliance
15. Rush Analysis
16. Holding Times
17. Sample Retention
18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Nov-19 12:41
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0517-01) Collected: 24-Oct-19 By CA						
pH	SM 4500-H-B	AJ92426	0.1	24-Oct-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92427	0.25	24-Oct-19 (JC)	1.5 mg/l	
Fecal Coliforms	SM 9221E	AJ92450	1.8	26-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92450	1.8	26-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190517

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/24/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (Card)	10/24/19	
Received by:	M	10/24/19	1300
Relinquished by:	M	10/24/19	1400
Received by:			
Relinquished by:			
Received in lab by:	Jairo Parada	10/24/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-20 09:58
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0518-01) Collected: 24-Oct-19 By CA						
Silver	EPA 200.8	AK90422	0.2	05-Nov-19 (AF)	0.6 ug/l	
Aluminum	EPA 200.8	AK90422	5.0	05-Nov-19 (AF)	25 ug/l	
Arsenic	EPA 200.8	AK90422	0.2	05-Nov-19 (AF)	2.1 ug/l	
Barium	EPA 200.8	AK90422	0.5	05-Nov-19 (AF)	19 ug/l	
Beryllium	EPA 200.8	AK90422	0.2	05-Nov-19 (AF)	<0.2 ug/l	
Calcium	EPA 200.7	AJ92831	0.05	18-Nov-19 (AF)	46.1 mg/l	
Cadmium	EPA 200.8	AK90422	0.2	05-Nov-19 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AK90422	0.2	05-Nov-19 (AF)	8.1 ug/l	
Copper	EPA 200.8	AK90422	0.2	05-Nov-19 (AF)	1.7 ug/l	
Iron	EPA 200.7	AJ92831	0.02	18-Nov-19 (AF)	<0.02 mg/l	
Mercury	EPA 245.1	AK91416	0.20	14-Nov-19 (WP)	<0.20 ug/l	
Manganese	EPA 200.8	AK90422	0.5	05-Nov-19 (AF)	4.6 ug/l	
Nickel	EPA 200.8	AK90422	0.5	05-Nov-19 (AF)	7.9 ug/l	
Lead	EPA 200.8	AK90422	0.2	05-Nov-19 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AK90422	1.0	05-Nov-19 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AK90422	2.0	05-Nov-19 (AF)	<2.0 ug/l	
Thallium	EPA 200.8	AK90422	1.0	05-Nov-19 (AF)	<1.0 ug/l	
Uranium	EPA 200.8	AK90422	0.7	05-Nov-19 (AF)	<0.7 pCi/L	
Zinc	EPA 200.8	AK90422	1.0	05-Nov-19 (AF)	18 ug/l	
1,2-Dibromoethane (EDB)	EPA 504.1	AJ92505	0.02	25-Oct-19 (SJ)	<0.02 ug/l	
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AJ92505	0.01	25-Oct-19 (SJ)	<0.01 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 506	AJ92506	2.0	14-Nov-19 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)adipate	EPA 506	AJ92506	2.0	14-Nov-19 (SJ)	<2.0 ug/l	
Surrogate: o-Terphenyl	*EPA 506*	*AJ92506*		*14-Nov-19 (SJ)*	*55.5 % (50-120)*	
Alachlor	EPA 507	AJ93151	0.2	20-Nov-19 (SJ)	<0.2 ug/l	
Atrazine	EPA 507	AJ93151	0.2	20-Nov-19 (SJ)	<0.2 ug/l	
Molinate	EPA 507	AJ93151	0.2	20-Nov-19 (SJ)	<0.2 ug/l	
Simazine	EPA 507	AJ93151	0.2	20-Nov-19 (SJ)	<0.2 ug/l	

Respectfully Submitted,

Steve Jefferson 1/23/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-20 09:58
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0518-01) Collected: 24-Oct-19 By CA						
Thiobencarb (Bolero)	EPA 507	AJ93151	0.2	20-Nov-19 (SJ)	<0.2 ug/l	
Surrogate: 1,3-Dimethyl-2-nitrobenzer	*EPA 507*	*AJ93151*		*20-Nov-19 (SJ)*	*62.8 % (40-120)*	
Gamma-BHC(Lindane)	EPA 508	AJ93152	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Chlordane	EPA 508	AJ93152	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Endrin	EPA 508	AJ93152	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Heptachlor	EPA 508	AJ93152	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 508	AJ93152	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Hexachlorobenzene	EPA 508	AJ93152	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Hexachlorocyclopentadiene	EPA 508	AJ93152	0.01	19-Nov-19 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 508	AJ93152	0.05	19-Nov-19 (SJ)	<0.05 ug/l	
Toxaphene	EPA 508	AJ93152	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1016	EPA 508	AJ93152	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1221	EPA 508	AJ93152	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1232	EPA 508	AJ93152	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1242	EPA 508	AJ93152	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1248	EPA 508	AJ93152	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1254	EPA 508	AJ93152	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Aroclor 1260	EPA 508	AJ93152	0.1	19-Nov-19 (SJ)	<0.1 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 508*	*AJ93152*		*19-Nov-19 (SJ)*	*60.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	*EPA 508*	*AJ93152*		*19-Nov-19 (SJ)*	*58.0 % (50-120)*	
Bentazon	EPA 515.1	AJ93153	0.1	05-Dec-19 (SJ)	<0.1 ug/l	
2,4-D	EPA 515.1	AJ93153	0.1	05-Dec-19 (SJ)	<0.1 ug/l	
Dalapon	EPA 515.1	AJ93153	0.1	05-Dec-19 (SJ)	<0.1 ug/l	
Dinoseb	EPA 515.1	AJ93153	0.1	05-Dec-19 (SJ)	<0.1 ug/l	
Pentachlorophenol (PCP)	EPA 515.1	AJ93153	0.1	05-Dec-19 (SJ)	<0.1 ug/l	
Picloram	EPA 515.1	AJ93153	0.1	05-Dec-19 (SJ)	<0.1 ug/l	
2,4,5-TP	EPA 515.1	AJ93153	0.1	05-Dec-19 (SJ)	<0.1 ug/l	
Surrogate: 2,4-DCAA	*EPA 515.1*	*AJ93153*		*05-Dec-19 (SJ)*	*84.4 % (60-140)*	

Respectfully Submitted,



Steve Jefferson 1/23/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-20 09:58
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0518-01) Collected: 24-Oct-19 By CA						
Benzene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Carbon tetrachloride	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,2-Dichlorobenzene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,4-Dichlorobenzene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,1-Dichloroethane	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,2-Dichloroethane	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,1-Dichloroethene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
cis-1,2-Dichloroethene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
trans-1,2-Dichloroethene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Methylene chloride	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,2-Dichloropropane	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,3-Dichloropropane	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Ethylbenzene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Ethyl tert-butyl ether	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Methyl tert-butyl ether	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Chlorobenzene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Styrene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,1,2,2-Tetrachloroethane	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Tetrachloroethene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Toluene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,2,4-Trichlorobenzene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,1,1-Trichloroethane	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,1,2-Trichloroethane	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Trichloroethene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Vinyl chloride	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
m,p-Xylene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
o-Xylene	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	

Respectfully Submitted,

Steve Jefferson 1/23/2020
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-20 09:58
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0518-01) Collected: 24-Oct-19 By CA						
Bromodichloromethane	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	<0.5 ug/l	
Bromoform	EPA 524.2	AK92528	0.5	26-Nov-19 (SJ)	2.5 ug/l	
Chloroform	EPA 524.2	AK92528	25.0	26-Nov-19 (SJ)	302 ug/l	
Dibromochloromethane	EPA 524.2	AK92528	5.0	26-Nov-19 (SJ)	57.8 ug/l	
Surrogate: Bromofluorobenzene	*EPA 524.2*	*AK92528*		*26-Nov-19 (SJ)*	*96.4 % (80-120)*	
Surrogate: Dibromofluoromethane	*EPA 524.2*	*AK92528*		*26-Nov-19 (SJ)*	*102 % (80-120)*	
Surrogate: Toluene-d8	*EPA 524.2*	*AK92528*		*26-Nov-19 (SJ)*	*98.7 % (80-120)*	
Carbofuran	EPA 632	AK91829	1.0	18-Nov-19 (SJ)	<1.0 ug/l	
Oxamyl	EPA 632	AK91829	1.0	18-Nov-19 (SJ)	<1.0 ug/l	
Surrogate: Atrazine	*EPA 632*	*AK91829*		*18-Nov-19 (SJ)*	*74.6 % (60-140)*	
Bromoacetic Acid	EPA 552.2	AJ93154	1.0	17-Nov-19 (SJ)	4.8 ug/l	
Chloroacetic Acid	EPA 552.2	AJ93154	500	18-Nov-19 (SJ)	7770 ug/l	
Dibromoacetic Acid	EPA 552.2	AJ93154	1.0	17-Nov-19 (SJ)	17.0 ug/l	
Dichloroacetic Acid	EPA 552.2	AJ93154	10.0	17-Nov-19 (SJ)	132 ug/l	
Trichloroacetic Acid	EPA 552.2	AJ93154	10.0	17-Nov-19 (SJ)	194 ug/l	
Haloacetic Acids (HAA5)	EPA 552.2	AJ93154	1.0	17-Nov-19 (SJ)	<1.0 ug/l	
Surrogate: 2,3-Dibromopropionic Acid	*EPA 552.2*	*AJ93154*		*17-Nov-19 (SJ)*	*134 % (60-140)*	
Benzo (a) pyrene	EPA 550	AJ92828	0.05	18-Nov-19 (SJ)	<0.05 ug/l	
Surrogate: Decafluorobiphenyl	*EPA 550*	*AJ92828*		*18-Nov-19 (SJ)*	*56.4 % (45-120)*	
Color	SM 2120 C	AJ92512	1.0	25-Oct-19 (LA)	4.6 Color Units	
Cyanide (total)	SM 4500-CN-E	AJ92832	0.0050	28-Oct-19 (LA)	<0.0050 mg/l	
MBAS	SM 5540 C	AJ92509	0.05	25-Oct-19 (PL)	0.05 mg/l	
Odor	SM 2150B	AJ92429	1	24-Oct-19 (JC)	<1 T.O.N.	
pH	SM 4500H-B	AJ92426	0.1	24-Oct-19 (JC)	7.5 pH Units	A-01
Total Alkalinity	SM 2320B	AL90520	1	05-Nov-19 (SJ)	166 mg/l	
Carbonate Alkalinity	SM 2320B	AL90520	1	05-Nov-19 (SJ)	<1 mg/l	
Bicarbonate Alkalinity	SM 2320B	AL90520	1	05-Nov-19 (SJ)	166 mg/l	
Hydroxide Alkalinity	SM 2320B	AL90520	1	05-Nov-19 (SJ)	<1 mg/l	
Specific Conductance (EC)	SM 2510B	AK92043	0.1	20-Nov-19 (SJ)	1670 umhos/cm	

Respectfully Submitted,



Steve Jefferson 1/23/2020
Laboratory Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jan-20 09:58
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0518-01) Collected: 24-Oct-19 By CA						
Bromate	EPA 300.0	AJ92516	5.0	25-Oct-19 (AV)	<5.0 ug/l	
Chlorite	EPA 300.0	AJ92516	20.0	25-Oct-19 (AV)	<20.0 ug/l	
Fluoride	EPA 300.0	AJ92336	0.10	25-Oct-19 (AV)	0.37 mg/l	

Notes and Definitions

A-01 Langelier Index = -0.25 (Non-Corrosive)

Respectfully Submitted,



Steve Jefferson 1/23/2020
Laboratory Director

January 30, 2020

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 91340

Attn: Stephen Berensten

Order No.: 2001326
Invoice No.: 150915
PO No.:
ELAP No.1247-Expires July 2020

RE: 19J0518 MCC Quarterly EFF

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	19J0518-01
01B	19J0518-01
01C	19J0518-01

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

Approved for release by:

Roxanne Moore, Project Manager

Date: 30-Jan-2020
WorkOrder: 2001326

CASE NARRATIVE

The sample was received and extracted past the holding time as per client request.

EPA 549.2:
Diquat strongly adsorbs to soil particles that are suspended in water. The strong chemical bonds make the herbicide chemically inactive. When bound with soil particles, the extraction procedure for method EPA 549.2 is ineffective at isolating the bound diquat. Any reported diquat represents the dissolved analyte in the water that has not been bound to the soil particles.

Endothall:
The recovery for the matrix spike (MS) was below the lower acceptance limit. The recovery was within acceptance limits in the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) indicating that the low recovery may be due to matrix effects.

Date: 30-Jan-2020
WorkOrder: 2001326

ANALYTICAL REPORT

Client Sample ID: 19J0518-01
Lab ID: 2001326-01A
Received: 1/22/2020
Collected: 11/8/2019 12:00

Test Name: EPA 549.2 **Reference:** EPA 549.2

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat (dissolved)	ND		0.40	µg/L	1.0	1/23/2020	1/29/2020

Client Sample ID: 19J0518-01
Lab ID: 2001326-01B
Received: 1/22/2020
Collected: 11/8/2019 12:00

Test Name: Endothall **Reference:** EPA 548.1

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND		45	µg/L	1.0	1/22/2020	1/24/2020
Surrogate: 2,3-D	104		78-117	% Rec	1.0	1/22/2020	1/24/2020

Client Sample ID: 19J0518-01
Lab ID: 2001326-01C
Received: 1/22/2020
Collected: 11/8/2019 12:00

Test Name: Glyphosate **Reference:** EPA 547

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND		5.0	µg/L	1.0	1/28/2020	1/28/2020

North Coast Laboratories, Ltd.

Date: 1/30/2020

CLIENT: Pat-Chem Laboratories
Work Order: 2001326
Project: 19J0518

QC SUMMARY REPORT

Method Blank

Sample ID: **MB-012720** Batch ID: **R102254** Test Code: **547W** Units: **µg/L** Analysis Date **1/28/2020 2:02:12 PM** Prep Date: **1/28/2020**
Client ID: Run ID: **ORLC9_200128A** SeqNo: **1456461**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	ND	5.0									

Sample ID: **MB-38229** Batch ID: **38229** Test Code: **548W** Units: **µg/L** Analysis Date **1/23/2020 10:41:01 PM** Prep Date: **1/22/2020**
Client ID: Run ID: **ORGC14_200123A** SeqNo: **1455780**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	ND	45									
Surrogate: 2,3-D	252	0.10	250	0	101%	78	117	0			

Sample ID: **MB-38233** Batch ID: **38233** Test Code: **549W** Units: **µg/L** Analysis Date **1/29/2020 6:18:47 PM** Prep Date: **1/23/2020**
Client ID: Run ID: **ORLC8_200129A** SeqNo: **1456610**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	ND	0.40									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 1/30/2020

CLIENT: Pat-Chem Laboratories
Work Order: 2001326
Project: 19J0518

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: **2001326-01BMS** Batch ID: **38229** Test Code: **548W** Units: **µg/L** Analysis Date **1/23/2020 11:44:05 PM** Prep Date: **1/22/2020**

Client ID: **19J0518-01** Run ID: **ORGC14_200123A** SeqNo: **1455783**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	40.34	45	225	0	17.9%	61	114	0			JS
Surrogate: 2,3-D	245	0.10	250	0	97.9%	78	117	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 1/30/2020

CLIENT: Pat-Chem Laboratories
Work Order: 2001326
Project: 19J0518

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: **LCS-012720** Batch ID: **R102254** Test Code: **547W** Units: **µg/L** Analysis Date **1/28/2020 2:23:58 PM** Prep Date: **1/28/2020**
Client ID: Run ID: **ORLC9_200128A** SeqNo: **1456462**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	48.31	5.0	50.0	0	96.6%	80	118	0			

Sample ID: **LCSD-012720** Batch ID: **R102254** Test Code: **547W** Units: **µg/L** Analysis Date **1/28/2020 2:45:43 PM** Prep Date: **1/28/2020**
Client ID: Run ID: **ORLC9_200128A** SeqNo: **1456463**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	49.88	5.0	50.0	0	99.8%	80	118	48.3	3.20%	30	

Sample ID: **LCS-38229** Batch ID: **38229** Test Code: **548W** Units: **µg/L** Analysis Date **1/23/2020 11:01:59 PM** Prep Date: **1/22/2020**
Client ID: Run ID: **ORGC14_200123A** SeqNo: **1455781**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	211.7	45	225	0	94.1%	61	114	0			
Surrogate: 2,3-D	247	0.10	250	0	98.7%	78	117	0			

Sample ID: **LCSD-38229** Batch ID: **38229** Test Code: **548W** Units: **µg/L** Analysis Date **1/23/2020 11:23:00 PM** Prep Date: **1/22/2020**
Client ID: Run ID: **ORGC14_200123A** SeqNo: **1455782**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	214.5	45	225	0	95.3%	61	114	212	1.31%	30	
Surrogate: 2,3-D	255	0.10	250	0	102%	78	117	247	3.18%	30	

Sample ID: **LCS-38233** Batch ID: **38233** Test Code: **549W** Units: **µg/L** Analysis Date **1/29/2020 6:29:29 PM** Prep Date: **1/23/2020**
Client ID: Run ID: **ORLC8_200129A** SeqNo: **1456611**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.452	0.40	2.00	0	72.6%	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pat-Chem Laboratories
Work Order: 2001326
Project: 19J0518

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-38233** Batch ID: **38233** Test Code: **549W** Units: **µg/L** Analysis Date **1/29/2020 6:50:53 PM** Prep Date: **1/23/2020**
Client ID: Run ID: **ORLC8_200129A** SeqNo: **1456612**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.594	0.40	2.00	0	79.7%	70	130	1.45	9.32%	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

November 6, 2019 Ceres ID: 13125

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on November 4, 2019. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

This work was authorized under Pat-Chem Laboratories' Project # 19J0518.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date	&Time
13125-001	IPC-MCC Quarterly EFF 19J0518-01	11/4/2019	10/24/2019	11:45

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Method Blank**		**Date Received:** NA
	QC Batch #: 2081	**Date Extracted:** 11/5/2019
	Matrix: Aqueous	**ZB-5MS Analysis:** 11/6/2019
Project ID: 19J0518	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 4.16	1.49	5.00		13C-2378-TCDD	84.9	31-137	
					CRS			
					37Cl4-2378-TCDD	62.8	35-197	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 2081	**Date Extracted:** 11/5/2019
	Matrix: Aqueous	**ZB-5MS Analysis:** 11/6/2019
Project ID: 19J0518	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	7.93	7.3-14.6	13C-2378-TCDD	79.7	25-141
			CRS		
			37Cl4-2378-TCDD	65.7	37-158
			(a) Limits based on method acceptance criteria.		

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Client Sample ID: IPC-MCC Quarterly EFF 19J0518-01		
Project ID: 19J0518	**Ceres Sample ID:** 13125-001	**Date Received:** 11/4/2019
	QC Batch #: 2081	**Date Extracted:** 11/5/2019
Date Collected: 10/24/2019	**Matrix:** Aqueous	**ZB-5MS Analysis:** 11/6/2019
Time Collected: 11:45	**Sample Size:** 0.974 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.48	1.49	5.13		13C-2378-TCDD	68.3	31-137	
					CRS			
					37Cl4-2378-TCDD	58.5	42-164	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Pat-Chem Laboratories

19J0518

SENDING LABORATORY:

Pat-Chem Laboratories
1824 1st Street
San Fernando, Ca 91340
Phone: (818)639-5300
Fax: (818)639-5309
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

Ceres Analytical Laboratoy, Inc
4919 Windplay Dr. Suite 1
El Dorado Hills, CA 95762
Phone :(916) 932-5011
Fax: (888) 932-5011

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 19J0518-01 **Water**	**Sampled: 24-Oct-19 11:45**			**IPC - MCC Quartely EFF**
Dioxin 2,3,7,8-TCDD	08-Nov-19 12:00	31-Oct-19 11:45		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	10/31/19	[signature]	11/4/19 14:07
Released By	Date	Received By	Date

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321923031
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Theresa Trevizo
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Received: 10/25/2019
Analyzed: 11/03/2019

Proj: 19J0518 MCC Quarterly EFF

Test Report: Determination of Asbestos Structures ≥ 0.5 µm & > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS					
						Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)		
19J0518-01 321923031-0001	10/25/2019 04:45 PM	30	1288	0.2210	≥ 0.5 µm	None Detected	ND	0.19	<0.19	0.00 - 0.72
					> 10 µm only	None Detected	ND	0.19	<0.19	0.00 - 0.72

Collection Date/Time: *10/24/2019 11:45 AM*

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 11/03/2019 14:17:59

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

December 5, 2019

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1914642
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(3 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
19J0518--01 MCC Quarterly EFF	10/24/2019	10/28/2019	SP 1914642-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	11/12/2019:217728 All analysis quality controls are within established criteria.
	11/05/2019:212723 All preparation quality controls are within established criteria, except: The following note applies to Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	11/06/2019:217408 All analysis quality controls are within established criteria.
	11/03/2019:212652 All preparation quality controls are within established criteria.
905.0	11/10/2019:217753 All analysis quality controls are within established criteria.
	11/03/2019:212512 All preparation quality controls are within established criteria.
906.0	11/26/2019:218460 All analysis quality controls are within established criteria.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

December 5, 2019 Lab ID : SP 1914642
Pat-Chem Laboratories Customer : 2-12670

Radio QC

906.0	11/25/2019:213570 All preparation quality controls are within established criteria.
Ra - 05	11/24/2019:218451 All analysis quality controls are within established criteria.
	11/21/2019:213080 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

314.0	11/18/2019:218332 All analysis quality controls are within established criteria, except: The following note applies to Perchlorate: 360 ICV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	11/18/2019:213513 All preparation quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2019-12-05

December 5, 2019

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 19J0518--01
Project : 19J0518

Lab ID : SP 1914642-001
Customer ID : 2-12670

Sampled On : October 24, 2019-11:45
Sampled By : Not Available
Received On : October 28, 2019-13:36
Matrix : Waste Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Perchlorate	ND	4	ug/L		314.0	11/18/19:213513	314.0	11/18/19:218332

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

December 5, 2019

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 19J0518--01
Project : 19J0518

Lab ID : SP 1914642-001
Customer ID : 2-12670

Sampled On : October 24, 2019-11:45
Sampled By : Not Available
Received On : October 28, 2019-13:36
Matrix : Waste Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	4.75 ± 1.61	1.60	pCi/L	15/5	900.0	11/05/19-07:59 2P1912723	900.0	11/12/19-14:24 2A1917728
Gross Beta	6.06 ± 1.12	1.02	pCi/L	50	900.0	11/05/19-07:59 2P1912723	900.0	11/12/19-14:24 2A1917728
Strontium 90	0.256 ± 0.264	0.546	pCi/L	8	905.0	11/03/19-09:30 2P1912512	905.0	11/10/19-09:20 2A1917753
Total Alpha Radium (226)	0.123 ± 0.148	0.418	pCi/L	3	903.0	11/03/19-10:00 2P1912652	903.0	11/06/19-15:58 2A1917408
Tritium	33.4 ± 283	434	pCi/L	20000	906.0	11/25/19-08:45 2P1913570	906.0	11/26/19-01:38 2A1918460
Ra 228	0.104 ± 0.711	0.400	pCi/L	2	Ra - 05	11/21/19-18:30 2P1913080	Ra - 05	11/24/19-11:30 2A1918451

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

December 5, 2019 Lab ID : SP 1914642
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	11/18/19:213513MCA	Blank	ug/L		ND	<4	
			LCS	ug/L	25.00	109 %	85-115	
			MS	ug/L	25.00	89.9 %	80-120	
		(CC 1983946-001)	MSD	ug/L	25.00	91.2 %	80-120	
			MSRPD	ug/L	25.00	1.4%	≤15	
	314.0	11/18/19:218332MCA	ICB	ppb		0.00	2.0	
			ICV	ppb	2.000	139 %	85-115	360
			CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	111 %	85-115	

Definition

ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

360	: ICV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

December 5, 2019 Lab ID : SP 1914642
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	11/12/19:217728JCA	CCV	cpm	7780	41.8 %	35-47	
			CCB	cpm		0.1400	0.21	
Beta	900.0	11/12/19:217728JCA	CCV	cpm	7780	93.7 %	83-94	
			CCB	cpm		0.4800	0.51	
Gross Alpha	900.0	11/05/19:212723iwc	Blank	pCi/L		0.52	3	
			LCS	pCi/L	155.2	79.5 %	75-125	
			MS	pCi/L	207.0	124 %	60-140	
		(STK1955117-001)	MSD	pCi/L	207.0	120 %	60-140	
			MSRPD	pCi/L	207.0	3.0%	≤30	
Gross Beta	900.0	11/05/19:212723iwc	Blank	pCi/L		0.14	4	
			LCS	pCi/L	26.37	154 %	84-160	
			MS	pCi/L	35.16	88.7 %	80-130	
		(STK1955117-001)	MSD	pCi/L	35.16	74.5 %	80-130	435
			MSRPD	pCi/L	207.0	16.9%	≤30	
Alpha	903.0	11/06/19:217408JCA	CCV	cpm	8133	38.2 %	37-46	
			CCB	cpm		0.1200	0.16	
Total Alpha Radium (226)	903.0	11/03/19:212652emv	RgBlk	pCi/L		-0.02	2	
			LCS	pCi/L	23.33	96.4 %	52-107	
			BS	pCi/L	23.33	81.9 %	43-111	
			BSD	pCi/L	23.33	84.0 %	43-111	
			BSRPD	pCi/L	23.33	2.5%	≤35.5	
Beta	905.0	11/10/19:217753emv	CCV	cpm	8131	90.1 %	85-93	
			CCB	cpm		0.4600	0.58	
Total Strontium	905.0	11/03/19:212512emv	RgBlk	pCi/L		0.16	2	
			LRS	pCi/L	15.46	116 %	53-133	
			BS	pCi/L	15.45	85.3 %	75-125	
			BSD	pCi/L	15.45	87.7 %	75-125	
			BSRPD	pCi/L	15.45	2.7%	≤20	
Tritium	906.0	11/25/19:213570jca	Blank	pCi/L		-82	<300	
			LCS	pCi/L	1728	95.0 %	75-125	
			BS	pCi/L	1728	90.5 %	75-125	
			BSD	pCi/L	1728	87.1 %	75-125	
			BSRPD	pCi/L	1728	60	≤300	
	906.0	11/26/19:218460jca	CCV	pCi/L	25180	101 %	90-110	
			CCB	pCi/L		472	500	
Beta	Ra - 05	11/24/19:218451emv	CCV	cpm	8121	88.6 %	84-94	
			CCB	cpm		0.4400	0.48	
Ra 228	Ra - 05	11/21/19:213080emv	RgBlk	pCi/L		0.04	3	
			LRS	pCi/L	14.13	66.3 %	65-108	
			BS	pCi/L	14.13	92.4 %	75-125	
			BSD	pCi/L	14.13	86.7 %	75-125	
			BSRPD	pCi/L	14.13	0.80	≤3	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

December 5, 2019 Lab ID : SP 1914642

Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Definition	
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

SUBCONTRACT ORDER

Pat-Chem Laboratories

19J0518

1914042

SENDING LABORATORY:

Pat-Chem Laboratories
1824 1st Street
San Fernando, Ca 91340
Phone: (818)639-5300
Fax: (818)639-5309
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 19J0518-01 Waste Water	**Sampled: 24-Oct-19 11:45**			**IPC - MCC Quartely EFF**
Tritium (Sub out)	08-Nov-19 12:00	26-Oct-19 11:45		
Sr-90 (Strontium 90)	08-Nov-19 12:00	21-Apr-20 11:45		
Radium 226 228	08-Nov-19 12:00	21-Apr-20 11:45		
Perchlorate 314.0	08-Nov-19 12:00	21-Nov-19 11:45		
Gross Alpha-Beta	08-Nov-19 12:00	21-Apr-20 11:45		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	10/28/19 1335	[signature]	10/28/19 1336
Released By	Date	Received By	Date

7C

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0518

Customer: IPC, Inc.
Address: ~~9297 Research Drive~~ Irvine ~~CA~~ ~~92618~~

Project: (MCC) Quarterly EFF
Sampled by: C. Ramos
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/24/19	11:45	1	Ag, Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Mg, Hg, Ni, Se, Tl, Zn, Ca	Grab	AQ	1L P	HN	
			1	F, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1L P	4°C	
			1	CN	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Perchlorate	Grab	AQ	500 P	4°C	
			4	524, 504	Grab	AQ	2-VOA	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			5	Asbestos, Diquat, Endothall, Glphosate, Dioxon- 2,3,7,8 TCCD	Grab	AQ	1L G	4°C	
			6	Radioactive-Radium-226 & 228,Gross Alpha, Gross Beta,Strontium-90,Tritium,	Grab	AQ	1L G	4°C	
			1	Uranium	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Ramos (CPC)	10/24/19	
Received by	EB	Eric M	10/24/19	1300
Relinquished by	EB	Eric M	10/24/19	1400
Received by				
Relinquished by				
Received in lab by		Jairo Fajardo	10/24/19	14:10

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

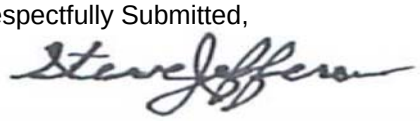
Attention: Ric Vardel
Report Date: 16-Nov-19 12:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0530-01) Collected: 25-Oct-19 By CA						
pH	SM 4500-H-B	AJ92523	0.1	25-Oct-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92522	0.05	25-Oct-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ92550	1.8	27-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92550	1.8	27-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0530

(MCC) Daily EFF

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project :

Sampled by: C.D.

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/25/19	1205	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.28 / 15.5C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	10/25/19	12:10
Received by		Thermo Fisher (Patchem)	10/25/19	12:10
Relinquished by		Thermo Fisher (PatChem)	10/25/19	14:15
Received by				
Relinquished by				
Received in lab by		Carlos Parada	10/25/19	14:15

Sample Received Checklist

Temperature upon receipt: 4°
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

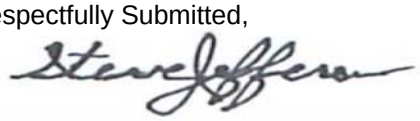
Attention: Ric Vardel
Report Date: 16-Nov-19 13:06
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0543-01) Collected: 26-Oct-19 By JC						
pH	SM 4500-H-B	AJ92620	0.1	26-Oct-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92619	0.05	26-Oct-19 (JC)	0.27 mg/l	
Fecal Coliforms	SM 9221E	AJ92650	1.8	28-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92650	1.8	28-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC, Inc.

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0543

(MCC) Daily EFF

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir Joseph Clark	P.O. #:	Phone #: 949-382-9067
	Report Attention:		

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF			1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	10/26/19	0951	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
11	11	11	11						
Geotracker EDD: Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph C. Clark	Joseph Clark (IPC)	10/26/19	0956
Received by: Jose L Gomez	Jose L Gomez	10/26/19	1130
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr	10/26/19	1138

Sample Received Checklist

Temperature upon receipt: 4 °c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

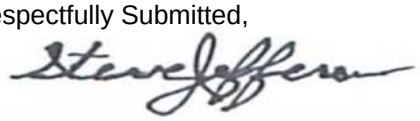
Attention: Ric Vardel
Report Date: 16-Nov-19 13:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0546-01) Collected: 27-Oct-19 By VA						
pH	SM 4500-H-B	AJ92845	0.1	27-Oct-19 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92726	0.05	27-Oct-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ92750	1.8	29-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92750	1.8	29-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0546

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/27/19	09:58	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	10/27/19	09:58
Received by	Alex Walker Jr (PCL)	10/27/19	11:30 AM
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker JR	10/27/19	1400

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab / Comp	HC - HCl
Matrix: AQ - Water, SO - Soil / Sludge, OT - Other	HS - H_2SO_4
Bottle Type: P - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria	HN - HNO_3
	HP - H_3PO_4
	OH - NaOH
	ST - Sodium Thiosulfate
	AA - Ascorbic Acid
	AI - $AlCl_3$
	Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

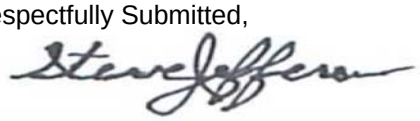
Attention: Ric Vardel
Report Date: 16-Nov-19 13:12
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0550-01) Collected: 28-Oct-19 By CA						
pH	SM 4500-H-B	AJ92845	0.1	28-Oct-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ92927	0.05	29-Oct-19 (LA)	0.23 mg/l	
Fecal Coliforms	SM 9221E	AJ92850	1.8	30-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92850	1.8	30-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0550

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project : (MCC) Daily EFF

Sampled by: C. Ch...

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/25/19	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44/14.2°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ch...	Carlos Alvarez (Pat-Chem)	10/25/19	12:15
Received by		Hernando Ramos (Pat-Chem)	10/26/19	12:15
Relinquished by		Hernando Ramos (Pat-Chem)	10/26/19	15:00
Received by				
Relinquished by				
Received in lab by		Jaime Ramos	10/28/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Nov-19 13:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0576-01) Collected: 29-Oct-19 By CA						
pH	SM 4500-H-B	AJ93042	0.1	29-Oct-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ93041	0.05	30-Oct-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ92950	1.8	31-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ92950	1.8	31-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0576

(MCC) Daily EFF

Customer: IPC, Inc.		**Project :**	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/29/19	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.59 / 15.3°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/29/19	12:15
Received by		Hermano Ochoa (Patchem)	10/29/19	12:15
Relinquished by		Hermano Ochoa (Patchem)	10/29/19	15:10
Received by				
Relinquished by				
Received in lab by		Jairo Parada	10/29/19	15:10

Sample Received Checklist

Temperature upon receipt: 4.0°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

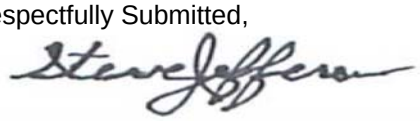
Attention: Ric Vardel
Report Date: 20-Nov-19 13:06
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19J0614-01) Collected: 29-Oct-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AJ93108	5	05-Nov-19 (RM)	196 mg/l	
Total Suspended Solids	SM2540D	AJ93103	1	31-Oct-19 (EA)	227 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0614

Customer: IPC, Inc.		Project : ~~(MCC) Weekly INF~~	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: GXK	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/29/19	0000	1	TSS	~~Grab~~ comp 24	AQ	1L P	4°C	
			1	BOD	~~Grab~~	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GXK	Golan Kfir	10/30/19	12:40
Received by	Hemmond Olmos (PatChem)	10/30/19	12:40
Relinquished by	Hemmond Olmos (PatChem)	10/30/19	14:45
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any processor required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and PCL agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees, litigation expenses and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of damage to, use of, or loss of use of property and/or 3. financial loss of every kind whatsoever. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, costs, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the fullest extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by insurance liability or surety coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest) or any other expenses or costs incurred by client or any third party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if a fault is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples/materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) and or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for acid extractable analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of client's submission or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or before analysis is completed is required for all new clients or upon a history of payment and/or overdue account. Once established with PCL, PCL shall provide clients with an established credit account. The terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and applicable law, any amount unpaid as the date of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative. Except than subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting or filing required of the securities, the resulting, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 24 hours or less, samples to be 48 hours must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for a period thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be returned at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed as one fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

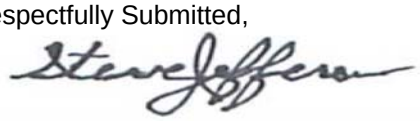
Attention: Ric Vardel
Report Date: 16-Nov-19 13:20
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0611-01) Collected: 30-Oct-19 By CA						
pH	SM 4500-H-B	AK91406	0.1	30-Oct-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91123	0.05	30-Oct-19 (PL)	0.15 mg/l	
Fecal Coliforms	SM 9221E	AJ93050	1.8	01-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ93050	1.8	01-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0611

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive		**Project :**	
Address: Irvine CA 92618		**Sampled by:** C.	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	10/30/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39/17.0°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAPC)	10/30/19	12:40
Received by		Armando Ramos (CAPC)	10/30/19	12:210
Relinquished by		Armando Ramos (CAPC)	10/30/19	14:45
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO -Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Nov-19 12:22
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0612-01) Collected: 30-Oct-19 By CA						
Ammonia as N	EPA 350.2	AK91409	0.05	14-Nov-19 (SS)	0.48 mg/l	
Nitrate as N	EPA 353.2	AJ93032	0.02	30-Oct-19 (LA)	1.94 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AJ93112	0.05	01-Nov-19 (LA)	0.87 mg/l	
Total Suspended Solids	SM2540D	AJ93103	1	31-Oct-19 (EA)	<1 mg/l	
Nitrite as N	EPA 353.2	AJ93032	0.02	30-Oct-19 (LA)	0.04 mg/l	
EFF (Sample I.D.# : 19J0612-02) Collected: 29-Oct-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AJ93108	5	05-Nov-19 (RM)	7 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0612

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:**		**P.O. #:**
	Report Attention: Ric Vardel / Golan Kfir		**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/30/19	1045	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	10/29/19	0000	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Arana (CPC)	10/30/19	12:40
Received by	Hemisfero Olmos (CPC)	10/30/19	12:40
Relinquished by	Hemisfero Olmos (PATCHEM)	10/30/19	14:45
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions
2. Independent Contractor
3. Orders and Acceptance
4. Limit of Liability
5. Clients Responsibility
6. Cancellation
7. Overriding Agreement
8. Force Majeure
9. Confidentiality
10. Hold Harmless
11. Hazardous Substances
12. Prices/Payments
13. Agreement Modification
14. No Third Party Beneficiaries; No Right of Reliance
15. Rush Analysis
16. Holding Times
17. Sample Retention
18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

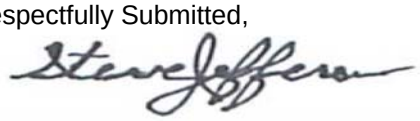
Attention: Ric Vardel
Report Date: 16-Nov-19 13:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19J0635-01) Collected: 31-Oct-19 By Golan Kfir						
pH	SM 4500-H-B	AK91406	0.1	31-Oct-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91123	0.05	31-Oct-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ93150	1.8	02-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ93150	1.8	02-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19J0635

Customer: ~~IPC, Inc.~~
Address: ~~9297 Research Drive~~ Irvine CA 92618

Project : ~~(MCC) Daily EFF~~

Sampled by: Golan Kfir
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	10/31/19	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.33 / 14.22
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	10/31/19	12:15
Received by:	Hemantbhai Dhruv (Patchem)	10/31/19	12:15
Relinquished by:	Hemantbhai Dhruv (Patchem)	10/31/19	14:10
Received by:			
Relinquished by:			
Received in lab by:	Jaya Patel	10/31/19	14:10

Sample Received Checklist

Temperature upon receipt: 4°
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

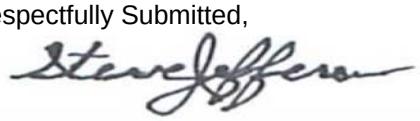
Attention: Ric Vardel
Report Date: 16-Nov-19 13:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0008-01) Collected: 01-Nov-19 By gk						
pH	SM 4500-H-B	AK91406	0.1	01-Nov-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91123	0.05	01-Nov-19 (PL)	0.89 mg/l	
Fecal Coliforms	SM 9221E	AK90150	1.8	03-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK90150	1.8	03-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0008

Customer: ~~IPC, Inc.~~		**Project :** (MCC) Daily EFF	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		**Sampled by:** Golan Kfir	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/1/19	12:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.38/21.1°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/1/19	12:13
Received by:	Hermanos Ochoa (Pat-Chem)	11/1/19	12:13
Relinquished by:	Hermanos Ochoa	11/1/19	13:50
Received by:			
Relinquished by:			
Received in lab by:	Jairo Parada	11/1/19	13:50

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

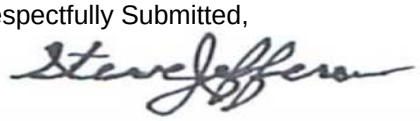
Attention: Ric Vardel
Report Date: 16-Nov-19 14:10
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0023-01) Collected: 02-Nov-19 By JC						
pH	SM 4500-H-B	AK90222	0.1	02-Nov-19 (SJ)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91123	0.05	03-Nov-19 (PL)	0.42 mg/l	
Fecal Coliforms	SM 9221E	AK90250	1.8	04-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK90250	1.8	04-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19k0023

~~(MCC) Daily EFF~~

Customer: IPC, Inc.	Project :
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Joseph Clark
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/2/19	1118	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark	11/2/19	1330
Received by: Jose L Gomez	Jose L Gomez	11/2/19	1330
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	[illegible]	11/4/19	13:30

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

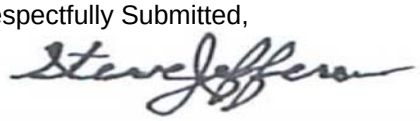
Attention: Ric Vardel
Report Date: 16-Nov-19 14:16
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0027-01) Collected: 03-Nov-19 By VA						
pH	SM 4500-H-B	AK90321	0.1	03-Nov-19 (SJ)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91123	0.05	04-Nov-19 (PL)	0.64 mg/l	
Fecal Coliforms	SM 9221E	AK90350	1.8	05-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK90350	1.8	05-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: AK0027

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/3/19	10:14	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	11/3/19	10:14
Received by	Alex Walker Jr (PCL)	11/3/19	11:17
Relinquished by	Alex Walker Jr (PCL)	11/3/19	14:30
Received by			
Relinquished by			
Received in lab by	Idito Parado	11/3/19	14:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

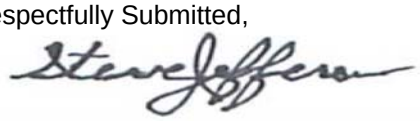
Attention: Ric Vardel
Report Date: 16-Nov-19 14:24
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0093-01) Collected: 04-Nov-19 By GK						
pH	SM 4500-H-B	AK90449	0.1	04-Nov-19 (JC)	6.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91123	0.05	05-Nov-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK90450	1.8	06-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK90450	1.8	06-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/16/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0093

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/4/19	11:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.4 / 18.1 °C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	11/4/19	20:00
Received by	Cindy Morrison (PCL)	11-4-19	20:00
Relinquished by	Cindy Morrison	11-4-19	5:20
Received by			
Relinquished by			
Received in lab by	Jairo Parada	11/4/19	17:20

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

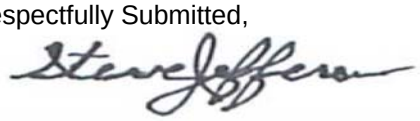
Attention: Ric Vardel
Report Date: 27-Nov-19 12:37
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0118-01) Collected: 05-Nov-19 By GK						
pH	SM 4500H-B	AK90527	0.1	05-Nov-19 (JC)	6.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91123	0.05	06-Nov-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK90549	1.8	07-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK90549	1.8	07-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: Lake HB

Customer: ~~IPC, Inc.~~ (MCC) Daily EFF

Project :

Address: ~~9297 Research Drive~~ Irvine CA 92618

Sampled by: Golan Kfir

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/5/19	11:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.4 / 28.0
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/5/19	12:15
Received by:	[illegible]	11/5/19	12:15
Relinquished by:	Cindy M (PCL)	11/5/19	16:58
Received by:			
Relinquished by:			
Received in lab by:	Sara Parada	11/5/19	16:58

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

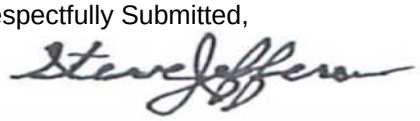
Attention: Ric Vardel
Report Date: 20-Nov-19 13:08
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19K0158-01) Collected: 05-Nov-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AK90749	5	13-Nov-19 (EA)	517 mg/l	
Total Suspended Solids	SM2540D	AK91133	1	14-Nov-19 (EA)	255 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0158

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/05/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
1	1	1	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	11/06/19	12:30
Received by		Hermenegildo Olivas (Patchem)	11/6/19	12:30
Relinquished by		Hermenegildo Olivas (Patchem)	11/6/19	15:30
Received by				
Relinquished by				
Received in lab by		Cairo Parada	11/6/19	15:30

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Nov-19 12:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0161-01) Collected: 06-Nov-19 By CA						
pH	SM 4500H-B	AK91406	0.1	06-Nov-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91123	0.05	07-Nov-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK90650	1.8	08-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK90650	1.8	08-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0161

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir
	Report Attention:
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/06/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.41/19.3°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	11/06/19	17:30
Received by		Armando Ochoa (CPC)	11/6/19	12:30
Relinquished by		Armando Ochoa (CPC)	11/6/19	15:30
Received by				
Relinquished by				
Received in lab by		Jairo Parada	11/6/19	15:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Nov-19 18:15
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0160-01) Collected: 06-Nov-19 By CA						
Boron	EPA 200.7	AK91136	0.10	08-Nov-19 (AF)	0.44 mg/l	
MBAS	SM 5540 C	AK91131	0.05	14-Nov-19 (PL)	0.08 mg/l	
Oil & Grease (HEM)	EPA 1664A	AK91220	5	12-Nov-19 (WP)	<5 mg/l	
Phosphorus, Total as P	EPA 365.3	AK91128	0.10	14-Nov-19 (LA)	2.44 mg/l	
Total Dissolved Solids	SM 2540C	AK91415	5	14-Nov-19 (EA)	840 mg/l	
Chloride	EPA 300.0	AK90810	1.0	08-Nov-19 (AV)	315 mg/l	
Sulfate as SO4	EPA 300.0	AK90810	0.5	08-Nov-19 (AV)	120 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/21/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0160

Customer: IPC, Inc.		Project: (MCC) Monthly EFF	
Address: 9297 Research Drive		Sampled by: C. Ch	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/06/19	1150	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ch	Carlos Alvarez (IPC)	11/06/19	12:30
Received by		Hernando Olmos (Pat Chem)	11/6/19	14:20
Relinquished by		Hernando Olmos (Pat Chem)	11/6/19	15:30
Received by				
Relinquished by				
Received in lab by		Jairo Parada	11/6/19	15:30

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

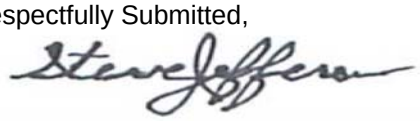
Attention: Ric Vardel
Report Date: 20-Nov-19 12:53
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0159-01) Collected: 06-Nov-19 By CA						
Ammonia as N	EPA 350.2	AK91409	0.05	14-Nov-19 (SS)	0.06 mg/l	
Nitrate as N	EPA 353.2	AK90704	0.02	07-Nov-19 (LA)	1.68 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AK90703	0.05	08-Nov-19 (LA)	0.93 mg/l	
Total Suspended Solids	SM2540D	AK91133	1	14-Nov-19 (EA)	<1 mg/l	
Nitrite as N	EPA 353.2	AK90704	0.02	07-Nov-19 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 19K0159-02) Collected: 05-Nov-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AK90749	5	13-Nov-19 (EA)	9 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC, Inc.

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0159

(MCC) Weekly EFF

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir	P.O. #:	
	Report Attention:	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/06/19	1150	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	11/05/19	0000	1	BOD	Comp	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/06/19	12:30
Received by		Hemyuro Jones (Patchem)	11/6/19	12:30
Relinquished by		Hemyuro Jones (Patchem)	11/6/19	15:30
Received by				
Relinquished by				
Received in lab by		Jairo Parada	11/6/19	15:30

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

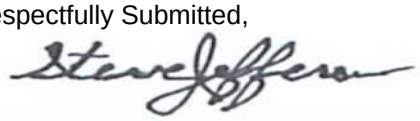
Attention: Ric Vardel
Report Date: 27-Nov-19 12:48
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0202-01) Collected: 07-Nov-19 By CA						
pH	SM 4500H-B	AK91406	0.1	07-Nov-19 (PL)	6.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91123	0.05	08-Nov-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK90750	1.8	09-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK90750	1.8	09-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0202

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/07/19	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.4 / 22.4
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/07/19	1:30
Received by			11/7/19	1:30
Relinquished by			11/7/19	15:50
Received by				
Relinquished by				
Received in lab by		Faiq Bada	11/7/19	15:50

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

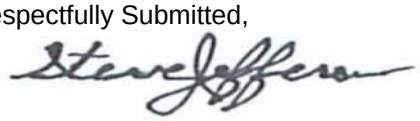
Attention: Ric Vardel
Report Date: 27-Nov-19 12:55
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0215-01) Collected: 08-Nov-19 By Gk						
pH	SM 4500H-B	AK90809	0.1	08-Nov-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91229	0.05	08-Nov-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK90806	1.8	10-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK90806	1.8	10-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0215

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/8/19	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.38 / 12.1°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Gk	Golan IPC	11/8/19	12:10
Received by:	Ademuyiwa Omo-Oshun (IPC)	11/8/19	12:10
Relinquished by:	Ademuyiwa Omo-Oshun (Pat-Chem)	11/8/19	14:30
Received by:			
Relinquished by:			
Received in lab by:	Jaime Rascon	11/8/19	14:30

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

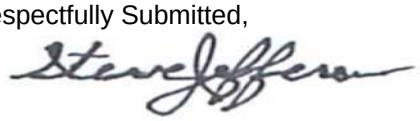
Attention: Ric Vardel
Report Date: 27-Nov-19 12:57
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0233-01) Collected: 09-Nov-19 By JC						
pH	SM 4500H-B	AK90920	0.1	09-Nov-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91229	0.05	09-Nov-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK90919	1.8	11-Nov-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK90919	1.8	11-Nov-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0233

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive
Project :

Address: Irvine CA 92618
Sampled by: Joseph Clark
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/9/19	0957	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.38
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Joseph K. Clark	Joseph Clark (IPC)	11/9/19	0959
Received by			11/9/19	9:54
Relinquished by			11/9/19	11:17
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	11/9/19	11:17

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Nov-19 13:00
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0236-01) Collected: 10-Nov-19 By VA						
pH	SM 4500H-B	AK91022	0.1	10-Nov-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91229	0.05	10-Nov-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK91021	1.8	13-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91021	1.8	13-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0236

Customer: IPC, Inc. 9297 Research Drive
Address: Irvine CA 92618

Project: ~~(MCC) Daily EFF~~
Sampled by: VICTOR ARIKIAN
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	11/10/19	10:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7-4 ↑ 12.7 - c
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	11/10/19	10:35
Received by	Gina Marino (PCL)	11/10/19	10:35
Relinquished by	Gina Marino	11/10/19	19:00
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	11/10/19	1200

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

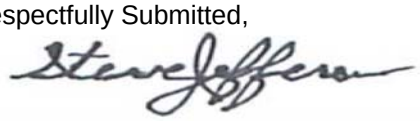
Attention: Ric Vardel
Report Date: 27-Nov-19 13:05
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0261-01) Collected: 11-Nov-19 By CA						
pH	SM 4500H-B	AK91142	0.1	11-Nov-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91229	0.05	11-Nov-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK91140	1.8	13-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91140	1.8	13-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0261

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/11/19	1225	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (Cal)	11/11/19	
Received by	EG	Evan (PCL)	11/11/19	1300
Relinquished by	EG	Evan (PCL)	11/11/19	1400
Received by				
Relinquished by				
Received in lab by		Jaime Partida	11/11/19	14:00

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

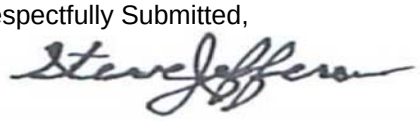
Attention: Ric Vardel
Report Date: 27-Nov-19 13:07
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0287-01) Collected: 12-Nov-19 By CA						
pH	SM 4500H-B	AK91230	0.1	12-Nov-19 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91229	0.05	12-Nov-19 (LA)	0.11 mg/l	
Fecal Coliforms	SM 9221E	AK91224	1.8	14-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91224	1.8	14-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0287

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/12/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GSE)	11/12/19	
Received by	Elo	Cuarlo PAT	11/12/19	1300
Relinquished by	Elo	Cuarlo PAT	11/12/19	1400
Received by				
Relinquished by				
Received in lab by		Jaime Parra	11/13/19	1400

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or its client's customer and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and PCL agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees, fees, litigation expenses and awards, arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property, and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses in other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), to any other person or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted of at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

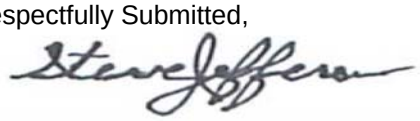
Attention: Ric Vardel
Report Date: 20-Nov-19 13:11
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19K0306-01) Collected: 12-Nov-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AK91414	5	19-Nov-19 (RM)	498 mg/l	
Total Suspended Solids	SM2540D	AK91417	1	19-Nov-19 (RM)	213 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 191030-04

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/12/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
"	"	"	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/13/19	12:25
Received by		Armando Ortiz (DWCW)	11/13/19	12:25
Relinquished by		Armando Ortiz (PCL)	11/13/19	13:20
Received by				
Relinquished by				
Received in lab by		Chris Rawlin	11/13/19	17:30

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? ~~Yes~~ No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

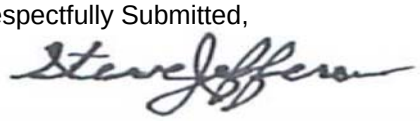
Attention: Ric Vardel
Report Date: 27-Nov-19 13:10
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0308-01) Collected: 13-Nov-19 By gk						
pH	SM 4500H-B	AK91338	0.1	13-Nov-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91340	0.05	13-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK91323	1.8	15-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91323	1.8	15-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0308

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/13/19	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.36/21.4°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Glk	Golan IPC	11/13/19	12:25
Received by:	Hrmnrsnn Ors CPatChm	11/13/19	12:25
Relinquished by:	Hrmnrsnn Ors (PatChm)	11/13/19	13:30
Received by:			
Relinquished by:			
Received in lab by:	Tricia Patel	11/13/19	13:30

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

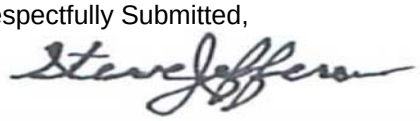
Attention: Ric Vardel
Report Date: 20-Nov-19 12:56
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0307-01) Collected: 13-Nov-19 By CA						
Ammonia as N	EPA 350.2	AK91409	0.05	14-Nov-19 (SS)	0.14 mg/l	
Nitrate as N	EPA 353.2	AK91413	0.02	14-Nov-19 (LA)	1.48 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AK91412	0.05	15-Nov-19 (LA)	1.06 mg/l	
Total Suspended Solids	SM2540D	AK91417	1	19-Nov-19 (RM)	<1 mg/l	
Nitrite as N	EPA 353.2	AK91413	0.02	14-Nov-19 (LA)	0.02 mg/l	
EFF (Sample I.D.# : 19K0307-02) Collected: 12-Nov-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AK91414	5	19-Nov-19 (RM)	<5 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/20/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC, Inc.

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0307
(MCC) Weekly EFF

Customer: 9297 Research Drive
Project :

Address: Irvine CA 92618
Sampled by: Golan Kfir
Ric Vardel / Golan Kfir
Report Attention:
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/13/19	11:10	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
"	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	11/12/19	0:00	1	BOD	Comp.	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	11/13/19	12:25
Received by	Armando Ortiz Chavez	11/13/19	12:25
Relinquished by	Armando Ortiz Chavez	11/13/19	17:30
Received by			
Relinquished by			
Received in lab by	Jairo Portillo	11/3/19	13:30

Sample Received Checklist

Temperature upon receipt: 3°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Nov-19 13:13
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0335-01) Collected: 14-Nov-19 By Golan Kfir						
pH	SM 4500H-B	AK91420	0.1	14-Nov-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91421	0.05	14-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK91410	1.8	16-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91410	1.8	16-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0335

Customer: ~~IPC, Inc.~~		Project : ~~(MCC) Daily EFF~~	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/14/19	11:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.28 / 12.4°C
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/14/19	12:40
Received by:	Alexandra Olivas (Patchem)	11/14/19	12:40
Relinquished by:	Alexandra Olivas (Patchem)	11/14/19	14:30
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker JR	11/14/19	1450

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab) Comp	AQ - Water	P - Plastic
	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard service schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "Services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and signed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information containing technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and assets arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL the want for this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregone losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and / or pre or post judgment interest), or any other expenses or costs incurred by client or any other party, in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples/ materials for analysis such as asbestos, polychlorinated biphenyls, Bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all services or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or will not be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (ascorbic acid, 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Nov-19 13:16
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0358-01) Collected: 15-Nov-19 By Golan Kfir						
pH	SM 4500H-B	AK91520	0.1	15-Nov-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91521	0.05	15-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK91509	1.8	17-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91509	1.8	17-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0358

(MCC) Daily EFF

Customer: IPC, Inc.	Project :
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: Golan Kfir
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/15/19	12:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39 / 10.3°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/15/19	12:08
Received by:	Armando Olmos (PatChem)	11/15/19	12:08
Relinquished by:	Armando Olmos (PatChem)	11/15/19	15:45
Received by:			
Relinquished by:			
Received in lab by:	Jaime Ramos	11/15/19	15:45

Sample Received Checklist

Temperature upon receipt: 4.0°

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Nov-19 13:19
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0386-01) Collected: 16-Nov-19 By VA						
pH	SM 4500H-B	AK91625	0.1	16-Nov-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91626	0.05	16-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK91624	1.8	18-Nov-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91624	1.8	18-Nov-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0386

Customer: ~~IPC, Inc.~~		Project : ~~(MCC) Daily EFF~~	
Address: ~~9297 Research Drive~~ Irvine ~~CA~~ 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/16/19	10:06	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.49/19.3°
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	11/16/19	10:06
Received by		KM (PCL)	11/16/19	1500
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	11/16/19	1625

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

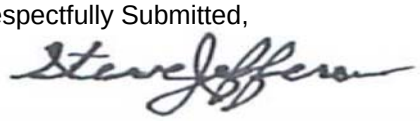
Attention: Ric Vardel
Report Date: 27-Nov-19 13:21
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0392-01) Collected: 17-Nov-19 By VA						
pH	SM 4500H-B	AK91732	0.1	17-Nov-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91733	0.05	17-Nov-19 (JC)	0.10 mg/l	
Fecal Coliforms	SM 9221E	AK91729	1.8	19-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91729	1.8	19-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0392

IPC, Inc.

(MCC) Daily EFF

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: VICTOR ARIKIAN
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	11/17/19	10:06	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	11/17/19	10:06
Received by	RM (PCL)	11/17/19	1320
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	11/17/19	1500

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

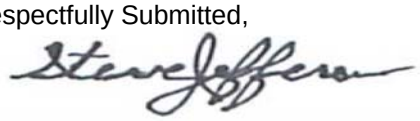
Attention: Ric Vardel
Report Date: 27-Nov-19 13:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0405-01) Collected: 18-Nov-19 By C. A.						
pH	SM 4500H-B	AK91936	0.1	18-Nov-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK91937	0.05	19-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK91830	1.8	20-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91830	1.8	20-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0405

Customer: ~~IPC, Inc.~~ (MCC) Daily EFF
Project :
Address: ~~9297 Research Drive~~ Irvine ~~CA~~ ~~92618~~
Sampled by: C
P.O. #:
Report Attention: Ric Vardel / Golan Kfir
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/18/19	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43 / 12.1°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C	Carlos Alvarez (CSC)	11/18/19	12:10
Received by		Armando Ochoa (Brader)	11/18/19	12:10
Relinquished by		Armando Ochoa (Pat-Chem)	11/18/19	14:45
Received by				
Relinquished by				
Received in lab by		Janis Ramirez	11/18/19	14:45

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Nov-19 13:26
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0440-01) Collected: 19-Nov-19 By C. A.						
pH	SM 4500H-B	AK92039	0.1	19-Nov-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92040	0.05	20-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK91934	1.8	21-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK91934	1.8	21-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/27/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19R0440

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir
	Report Attention:
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/19/19	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	11/19/19	
Received by	Jairo Mendivil	11/19	12:40pm
Relinquished by	Jairo Mendivil	11/19	3:00pm
Received by			
Relinquished by			
Received in lab by	Toto Parada	11/19/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

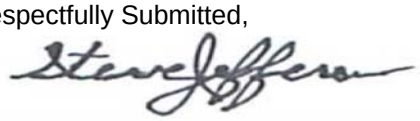
Attention: Ric Vardel
Report Date: 06-Dec-19 15:38
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19K0471-01) Collected: 19-Nov-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AK92118	2	26-Nov-19 (RM)	119 mg/l	
Total Suspended Solids	SM2540D	AK92122	1	21-Nov-19 (RM)	544 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0471

IPC, Inc.
9297 Research Drive
Irvine CA 92618

(MCC) Weekly INF

Customer:
Address:
Project :
Sampled by: Ric Vardel / Golan Kfir
Report Attention:
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/19/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
			1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	11/19/19	13:15
Received by	Hemmo Olmo (Pace)	11/20/19	13:15
Relinquished by	Arturo Olmo (Pace)	11/20/19	16:30
Received by			
Relinquished by			
Received in lab by	Jairo Parada	11/20/19	16:30

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 15:56
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0476-01) Collected: 20-Nov-19 By C. A.						
pH	SM 4500H-B	AK92053	0.1	20-Nov-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92055	0.05	20-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92038	1.8	22-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92038	1.8	22-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0476

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: C. Ch		P.O. #:
	Report Attention: Ric Vardel / Golan Kfir		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/20/19	1210	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/15.4°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ch	Carlos Alvarez (IPC)	11/20/19	13:15
Received by		Hemiwan Olwa (Aspen)	11/20/19	13:15
Relinquished by		Hemiwan Olwa (Pat-Chem)	11/20/19	16:20
Received by				
Relinquished by				
Received in lab by		Laira Rueda	11/20/19	16:30

Sample Received Checklist

Temperature upon receipt: 4.0C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

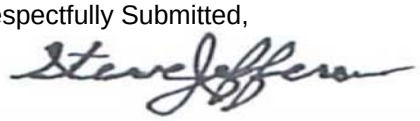
Attention: Ric Vardel
Report Date: 06-Dec-19 15:53
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0473-01) Collected: 20-Nov-19 By CA						
Ammonia as N	EPA 350.2	AK92112	0.05	22-Nov-19 (SS)	0.74 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AK92114	0.05	22-Nov-19 (LA)	0.94 mg/l	
Total Suspended Solids	SM2540D	AK92122	1	21-Nov-19 (RM)	<1 mg/l	
Nitrate as N	EPA 353.2	AK92115	0.02	21-Nov-19 (LA)	0.79 mg/l	
Nitrite as N	EPA 353.2	AK92115	0.02	21-Nov-19 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 19K0473-02) Collected: 19-Nov-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AK92118	2	26-Nov-19 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0473

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/20/19	1210	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	11/19/19	0000	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/20/19	13:15
Received by		Armando Ortiz (PCL)	11/20/19	17:15
Relinquished by		Armando Ortiz (PCL)	11/20/19	16:30
Received by				
Relinquished by				
Received in lab by		Jaime Rivera	11/20/19	16:30

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

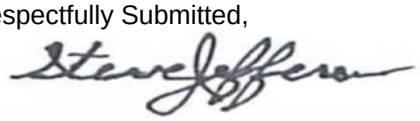
Attention: Ric Vardel
Report Date: 06-Dec-19 16:06
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0502-01) Collected: 21-Nov-19 By gK						
pH	SM 4500H-B	AK92128	0.1	21-Nov-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92127	0.05	21-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92113	1.8	23-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92113	1.8	23-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

9

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 191C0502

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: Golan Kfir
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/21/19	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	11/21/19	
Received by EC	Evan PCL	11/21/19	1230
Relinquished by EC	Evan PCL	11/21/19	1330
Received by			
Relinquished by			
Received in lab by	Jair Partida	11/21/19	13:30

Sample Received Checklist
Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 16:08
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0534-01) Collected: 22-Nov-19 By CA						
pH	SM 4500H-B	AK92332	0.1	22-Nov-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92333	0.05	23-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92215	1.8	24-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92215	1.8	24-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0534

Customer: IPC, Inc. 9297 Research Drive		Project: (MCC) Daily EFF	
Address: Irvine CA 92618		Sampled by: C. Alvarez	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/22/19	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.41 / 12.7°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (Cpe)	11/22/19	12:20
Received by	Armando Olmos (Pacific)	11/22/19	12:20
Relinquished by	Armando Olmos (Pacific)	11/22/19	14:40
Received by			
Relinquished by			
Received in lab by	Jaime Parada	11/22/19	14:40

Sample Received Checklist

Temperature upon receipt: 4c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 16:10
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0556-01) Collected: 23-Nov-19 By JC						
pH	SM 4500H-B	AK92421	0.1	23-Nov-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92420	0.05	24-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92331	1.8	25-Nov-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92331	1.8	25-Nov-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0556

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project : (MCC) Daily EFF

Sampled by: Joseph Clark
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/23/19	0959	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	11/23/19	0959
Received by: Jose L Gomez	Jose L Gomez	11/23/19	0959
Relinquished by: Jose L Gomez	Jose L Gomez	11/23/19	1115
Received by:			
Relinquished by			
Received in lab by: Jordan Corkery	Jordan Corkery	11/23/19	1115

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

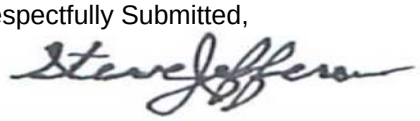
Attention: Ric Vardel
Report Date: 06-Dec-19 16:13
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0568-01) Collected: 24-Nov-19 By VA						
pH	SM 4500H-B	AK92421	0.1	24-Nov-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92424	0.05	24-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92419	1.8	26-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92419	1.8	26-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: MK0568

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	~ Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/24/19	10:16	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	11/24/19	10:16
Received by	Jose L Gomez	11/24/19	10.16
Relinquished by	Jose L Gomez	11/24/19	1120
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	11/24/19	1120

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4c
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

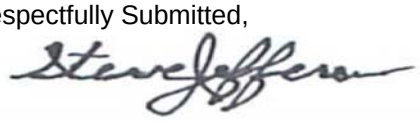
Attention: Ric Vardel
Report Date: 06-Dec-19 17:06
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0600-01) Collected: 25-Nov-19 By JL						
pH	SM 4500H-B	AK92709	0.1	25-Nov-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92607	0.05	26-Nov-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92521	1.8	27-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92521	1.8	27-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: GK0600

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/25/19	1215	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48 / 18.8°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (Pat-Chem)	11/25/19	1410
Received by	[illegible] (Pat-Chem)	11/25/19	1410
Relinquished by	[illegible] (Pat-Chem)	11/25/19	15:15
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Walmbrard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted or as all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 17:12
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0629-01) Collected: 26-Nov-19 By Gk						
pH	SM 4500H-B	AK92709	0.1	26-Nov-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92710	0.05	27-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92617	1.8	28-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92617	1.8	28-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0629

Customer: ~~IPC, Inc.~~		Project : ~~(MCC) Daily EFF~~	
Address: ~~9297 Research Drive~~ Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11/26/19	12:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.52 / 12.1°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/26/19	12:50
Received by:	Armando Ochoa (Patchem)	11/26/19	12:50
Relinquished by:	Armando Ochoa (Patchem)	11/26/19	17:00
Received by:			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? - Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted or at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

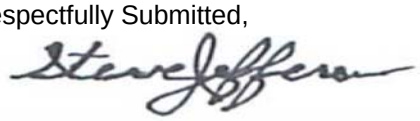
Attention: Ric Vardel
Report Date: 06-Dec-19 17:39
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19K0726-01) Collected: 26-Nov-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AK92818	2	03-Dec-19 (RM)	399 mg/l	
Total Suspended Solids	SM2540D	AL90234	1	03-Dec-19 (EA)	209 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0726

IPC, Inc.
(MCC) Weekly INF

Customer: 9297 Research Drive
Address: Irvine CA 92618
Project :
Sampled by: C. Ca
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/26/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
1	1	1	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ca	Carlos Alvarez (CSC)	11/27/19	
Received by / Relinquished by	Jorge Rosales		11/27/19	1205
Received by				
Relinquished by				
Received in lab by		MARIO SAN JESTEBAN (PC)	11/27/19	2002

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 17:26
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0720-01) Collected: 27-Nov-19 By CA						
pH	SM 4500H-B	AK92807	0.1	27-Nov-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92808	0.05	28-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92711	1.8	29-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92711	1.8	29-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0720

Customer: IPC, Inc.

Address: 9297 Research Drive, Irvine, CA 92618

Project : (MCC) Daily EFF

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/27/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRC)	11/27/19	
Received by		Jorge Reglorio	11/27/19	1205
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	11/27/19	1410

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Dec-19 16:59
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0727-01) Collected: 27-Nov-19 By CA						
Ammonia as N	EPA 350.2	AL90327	0.05	04-Dec-19 (SS)	<0.05 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AL90334	0.10	11-Dec-19 (LA)	0.62 mg/l	
Total Suspended Solids	SM2540D	AL90234	1	03-Dec-19 (EA)	3 mg/l	
Nitrate as N	EPA 353.2	AK92707	0.02	27-Nov-19 (LA)	0.87 mg/l	
Nitrite as N	EPA 353.2	AK92707	0.02	27-Nov-19 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 19K0727-02) Collected: 26-Nov-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AL90119	2	06-Dec-19 (EA)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/11/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC, Inc.

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0727

(MCC) Weekly EFF

Customer: 9297 Research Drive		**Project :**	
Address: Irvine CA 92618	**Sampled by:** Ric Vardel / Golan Kfir	**P.O. #:**	
	Report Attention:	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/27/19	1130	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	11/26/19	0000	1	BOD	Composite	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/27/19	
Received by		Jorge Revolorio	11/27/19	1205
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN	11/29/19	2008

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 17:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0733-01) Collected: 28-Nov-19 By CA						
pH	SM 4500H-B	AK92905	0.1	28-Nov-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92906	0.05	29-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92806	1.8	30-Nov-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92806	1.8	30-Nov-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0733

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Joseph Clark	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/28/19	0959	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	11/28/19	0959
Received by: EG Gwak	pat	11/28/19	1015
Relinquished by: EG		11/28/19	1130
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery		11/28/19	1130

Sample Received Checklist

Temperature upon receipt: 9°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

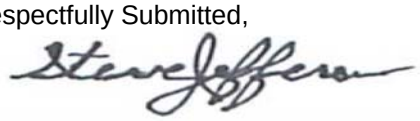
Attention: Ric Vardel
Report Date: 06-Dec-19 17:48
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0738-01) Collected: 29-Nov-19 By CA						
pH	SM 4500H-B	AK92910	0.1	29-Nov-19 (SJ)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK92911	0.05	29-Nov-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK92904	1.8	01-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK92904	1.8	01-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0738

Customer: ~~IPC, Inc.~~ (MCC) Daily EFF
Address: ~~9297 Research Drive~~ Irvine CA 92618
Project :
Sampled by:
P.O. #:
Report Attention: Ric Vardel / Golan Kfir
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/29/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	11/29/19	
Received by	EB	Evan G (PCL)	11/29/19	1100
Relinquished by	EB	Carlo M	11/29/19	1230
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	11/29/19	1230

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

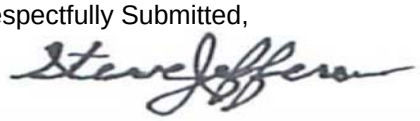
Attention: Ric Vardel
Report Date: 06-Dec-19 17:50
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19K0741-01) Collected: 30-Nov-19 By JC						
pH	SM 4500H-B	AL90120	0.1	30-Nov-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL90121	0.05	01-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK93020	1.8	02-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK93020	1.8	02-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19K0741

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Joseph Clark	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/30/19	0958	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	11/30/19	1000
Received by:	Grant M	11/30/19	1150
Relinquished by:	M	11/30/19	1235
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	11/30/19	1235

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

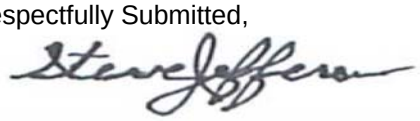
Attention: Ric Vardel
Report Date: 06-Dec-19 17:55
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0004-01) Collected: 01-Dec-19 By VA						
pH	SM 4500H-B	AL90120	0.1	01-Dec-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL90238	0.05	02-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL90116	1.8	03-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL90116	1.8	03-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0004

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** VICTOR AZIKIAN	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	12/1/19	09:48	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.45/6.2°
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR AZIKIAN (IPC)	12/1/19	09:48
Received by	RM (PCL)	12/1/19	12:50
Relinquished by	RM (PCL)	12/11/19	14:24
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	12/11/19	14:24

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-19 17:57
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0022-01) Collected: 02-Dec-19 By IPC						
pH	SM 4500H-B	AL90329	0.1	02-Dec-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL90241	0.05	02-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL90231	1.8	04-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL90231	1.8	04-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/6/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0022

~~(MCC) Daily EFF~~

Customer: ~~IPC, Inc.~~		Project :	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/02/19	1210	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (GSPC)	12/02/19	12:10
Received by	Armando Olmos (Pat Chem)	12/2/19	12:10
Relinquished by	Armando Olmos (Pat-Chem)	12/2/19	1535
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	12/2/19	1321

Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the unpaid amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent) harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to attorney fees (the Litigation Expenses) and amounts arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, illness or death of persons 2. Loss of, damage to, destruction or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with the price schedule in effect at the time the services were rendered or later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of all charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid after the expiration of thirty (30) days is subject to interest at the rate of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney fees/agents' fees associated with such collection proceedings efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client (authorized representative, except for subsequent orders for additional services made verbally or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

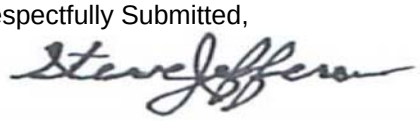
Attention: Ric Vardel
Report Date: 18-Dec-19 17:41
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0171-01) Collected: 03-Dec-19 By IPC						
pH	SM 4500H-B	AL90439	0.1	04-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AL90440	0.05	04-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL90421	1.8	06-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL90421	1.8	06-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/18/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0171

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	12/03/19	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48 / 17.5°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	12/4/19	12:40
Received by	Hemangini Amin (Pat-Chem)	12/4/19	12:40
Relinquished by	Hemangini Amin (Pat-Chem)	12/4/19	15:00
Received by			
Relinquished by			
Received in lab by	Tara Ramirez	12/4/19	1540

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Dec-19 21:46
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0219-01) Collected: 03-Dec-19 By CA						
Boron	EPA 200.7	AL90930	0.10	10-Dec-19 (AF)	0.32 mg/l	
MBAS	SM 5540 C	AL90616	0.05	06-Dec-19 (PL)	<0.05 mg/l	
Oil & Grease (HEM)	EPA 1664A	AL90929	5	10-Dec-19 (PL)	<5 mg/l	
Phosphorus, Total as P	EPA 365.3	AL91217	0.02	13-Dec-19 (LA)	1.54 mg/l	
Total Dissolved Solids	SM 2540C	AL90936	5	11-Dec-19 (RM)	928 mg/l	
Chloride	EPA 300.0	AL90612	1.0	06-Dec-19 (AV)	313 mg/l	
Sulfate as SO4	EPA 300.0	AL90612	0.5	06-Dec-19 (AV)	151 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/19/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0219

Customer: IPC, Inc.		Project : (MCC) Monthly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/03/19	1200	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/03/19	12:40
Received by		Hemmings Cruz (PCL)	12/4/19	12:40
Relinquished by		Hemmings Cruz (PCL)	12/4/19	15:00
Received by				
Relinquished by				
Received in lab by		Jairo Parada	12/4/19	15:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

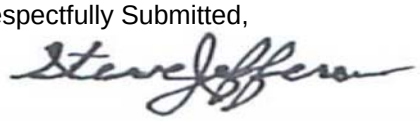
Attention: Ric Vardel
Report Date: 19-Dec-19 21:52
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19L0218-01) Collected: 03-Dec-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AL90609	2	10-Dec-19 (RM)	602 mg/l	
Total Suspended Solids	SM2540D	AL90611	1	06-Dec-19 (EA)	561 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/19/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 191O218

IPC, Inc.
(MCC) Weekly INF

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir	P.O. #:	
	Report Attention:	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/03/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
			1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	12/04/19	12:40
Received by	Aemyras Ocmes (Patchem)	12/4/19	12:40
Relinquished by	Aemyras Ocmes (Patchem)	12/4/19	15:00
Received by			
Relinquished by			
Received in lab by	Jairo Parada	12/4/19	15:00

Sample Received Checklist

Temperature upon receipt: 4/6

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

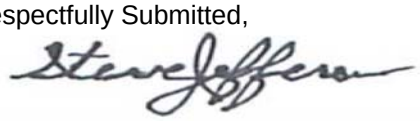
Attention: Ric Vardel
Report Date: 18-Dec-19 17:37
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0168-01) Collected: 04-Dec-19 By IPC						
pH	SM 4500H-B	AL90439	0.1	04-Dec-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AL90440	0.05	04-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL90421	1.8	06-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL90421	1.8	06-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/18/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960168

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: C. Chan	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/04/19	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43/15.9°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
"	"	"							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C. Chan	Carlos Alvarez (IPC)	12/04/19	12:40
Received by:	Alejandra Cruz (Pat Chem)	12/4/19	12:40
Relinquished by:	Alejandra Cruz (Pat Chem)	12/04/19	15:00
Received by: -	-		
Relinquished by:			
Received in lab by:	Jaime Ramirez	12/4/19	15:06

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 24-Dec-19 10:48
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0220-01) Collected: 04-Dec-19 By CA						
Ammonia as N	EPA 350.2	AL90509	0.05	06-Dec-19 (SS)	<0.05 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AL90946	0.10	13-Dec-19 (LA)	0.99 mg/l	
Total Suspended Solids	SM2540D	AL90611	1	06-Dec-19 (EA)	2 mg/l	
Nitrate as N	EPA 353.2	AL90607	0.02	06-Dec-19 (LA)	2.11 mg/l	
Nitrite as N	EPA 353.2	AL90607	0.02	06-Dec-19 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 19L0220-02) Collected: 03-Dec-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AL90609	2	11-Dec-19 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/24/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1914022

IPC, Inc.
(MCC) Weekly EFF

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir
	Report Attention:
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/04/19	1140	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	12/03/19	0000	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cape)	12/04/19	12:40
Received by		Hernando Cano (Cape)	12/4/19	17:40
Relinquished by		Hernando Cano (Pat-Chem)	12/4/19	15:00
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4°c
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

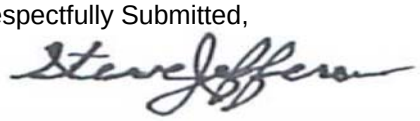
Attention: Ric Vardel
Report Date: 19-Dec-19 21:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0214-01) Collected: 05-Dec-19 By IPC						
pH	SM 4500H-B	AL90526	0.1	05-Dec-19 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500Cl-G	AL90525	0.05	06-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL90516	1.8	07-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL90516	1.8	07-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/19/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 191052-1

IPC, Inc.

(MCC) Daily EFF

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir	P.O. #:	
	Report Attention:	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/05/19	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	10/19.4
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (GRL)	12/05/19	2:53
Received by	[illegible] M	12/5/19	7:53
Relinquished by	[illegible] M	12/5/19	19:10
Received by			
Relinquished by			
Received in lab by	[illegible]	12/5/19	19:10

Sample Received Checklist

Temperature upon receipt: 4.1

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Dec-19 15:05
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0280-01) Collected: 06-Dec-19 By IPC						
pH	SM 4500H-B	AL90734	0.1	06-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AL90736	0.05	07-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL90613	1.8	08-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL90613	1.8	08-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0280

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/06	0950	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50/18.2°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	12/06/19	12:10
Received by	Hemisphere Envs (Pasco)	12/6/19	12:10
Relinquished by	Hemisphere Envs (Pasco)	12/6/19	15:30
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or clients a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Dec-19 15:08
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0303-01) Collected: 07-Dec-19 By IPC						
pH	SM 4500H-B	AL90734	0.1	08-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AL90836	0.05	08-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL90730	1.8	09-Dec-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL90730	1.8	09-Dec-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910303

(MCC) Daily EFF

Customer: IPC, Inc.		Project :	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Joseph Clark	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/7/19	0954	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	12/7/19	0956
Received by: Jose L Gomez	Jose L Gomez	12/7/19	1055
Relinquished by: Jose L Gomez	Jose L Gomez	12/7/19	1206
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	12/7/19	1206

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

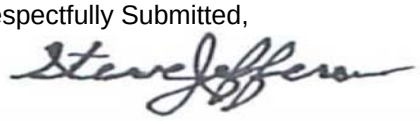
Attention: Ric Vardel
Report Date: 23-Dec-19 16:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0314-01) Collected: 08-Dec-19 By VA						
pH	SM 4500H-B	AL90839	0.1	08-Dec-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AL90838	0.05	08-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL90834	1.8	10-Dec-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL90834	1.8	10-Dec-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960314

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARSIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/8/19	10:06	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARSIAN (IPC)	12/8/19	10:06
Received by	Jose L Gomez	12/8/19	1006
Relinquished by	Jose L Gomez	12/8/19	1108
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	12/8/19	11:08

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

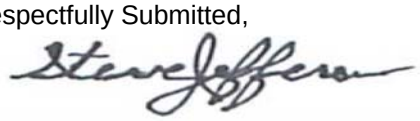
Attention: Ric Vardel
Report Date: 23-Dec-19 16:42
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0397-01) Collected: 09-Dec-19 By CA						
pH	SM 4500H-B	AL91130	0.1	09-Dec-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91131	0.05	10-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL90934	1.8	11-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL90934	1.8	11-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/23/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1AL0397

(MCC) Daily EFF

Customer: IPC, Inc.	**Project :**
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:** C. Vardel
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/09/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Vardel	Carlos Alvarez (IPC)	12/09/19	
Received by	EB	Carlos Alvarez PCL	12/9/19	1130
Relinquished by	EB	Carlos Alvarez PCL	12/9/19	1315
Received by				
Relinquished by				
Received in lab by		Tariq Rahim	12/9/19	13:19

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Aseorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-20 16:20
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0478-01) Collected: 10-Dec-19 By CA						
pH	SM 4500H-B	AL91130	0.1	10-Dec-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91131	0.05	11-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91026	1.8	12-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91026	1.8	12-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 9L0478

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/10/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.4 / 14.3
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	12/10/19	12:30
Received by			12/10/19	12:30
Relinquished by			12/10/19	15:55
Received by			12/10/19	1602
Relinquished by				
Received in lab by		MYRA ESTEBAN (PCL)	12/10/19	1602

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

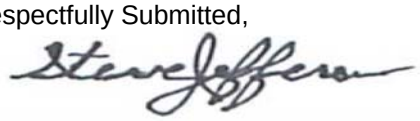
Attention: Ric Vardel
Report Date: 19-Dec-19 21:55
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19L0552-01) Collected: 10-Dec-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AL91224	2	17-Dec-19 (RM)	488 mg/l	
Total Suspended Solids	SM2540D	AL91316	1	17-Dec-19 (RM)	232 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/19/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1920552

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C. C.	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/10	0000	1	TSS	~~Grab~~ Comp	AQ	1L P	4°C	
1	1	1	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPC)	12/11/19	12:15
Received by	Armando Olmos (PCL)	12/11/19	12:15
Relinquished by	Armando Olmos (PCL)	12/11/19	13:00
Received by			
Relinquished by			
Received in lab by	MARCO SANTIESTEBAN (PCL)	12/11/19	1300

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

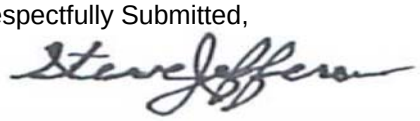
Attention: Ric Vardel
Report Date: 02-Jan-20 16:24
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0550-01) Collected: 11-Dec-19 By CA						
pH	SM 4500H-B	AL91141	0.1	11-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91139	0.05	11-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91129	1.8	13-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91129	1.8	13-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910550

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: ~~(MCC) Daily EFF~~
Sampled by:
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/11/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 13.4°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arauz (IPC)	12/11/19	17:15
Received by		Alejandro Olmos (Patchem)	12/11/19	17:15
Relinquished by		Alejandro Olmos (Patchem)	12/11/19	17:00
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	12/11/19	1300

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

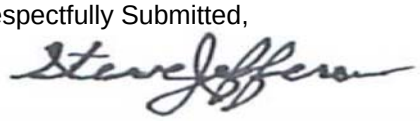
Attention: Ric Vardel
Report Date: 02-Jan-20 15:34
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0551-01) Collected: 11-Dec-19 By CA						
Ammonia as N	EPA 350.1	AL91213	0.10	12-Dec-19 (SS)	<0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AL91728	0.10	18-Dec-19 (LA)	0.67 mg/l	
Total Suspended Solids	SM2540D	AL91316	1	17-Dec-19 (RM)	<1 mg/l	
Nitrate as N	EPA 353.2	AL91216	0.02	12-Dec-19 (LA)	2.26 mg/l	
Nitrite as N	EPA 353.2	AL91216	0.02	12-Dec-19 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 19L0551-02) Collected: 10-Dec-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AL91224	2	17-Dec-19 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0551

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. D.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/11/19	1050	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	HS	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/10/19	0000	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/11/19	12:15
Received by		Armando Cruz (PCL)	12/11/19	12:15
Relinquished by		Armando Cruz (PCL)	12/11/19	15:00
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	12/11/19	1300

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

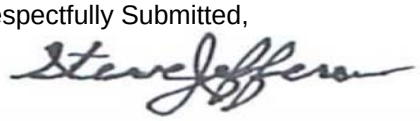
Attention: Ric Vardel
Report Date: 02-Jan-20 16:29
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0595-01) Collected: 12-Dec-19 By CA						
pH	SM 4500H-B	AL91320	0.1	12-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91319	0.05	13-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91219	1.8	14-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91219	1.8	14-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1920595

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C.	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	12/12/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54 / 13.72
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (GPC)	12/12/19	12:15
Received by:	Armando Olmos (Patchem)	12/12/19	12:15
Relinquished by:	Armando Olmos (Patchem)	12/12/19	15:00
Received by:			
Relinquished by:			
Received in lab by:	Jaime Lara	12/12/19	15:00

Sample Received Checklist

Temperature upon receipt:	4°
# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

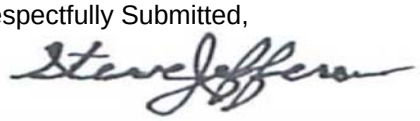
Attention: Ric Vardel
Report Date: 02-Jan-20 16:34
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0651-01) Collected: 13-Dec-19 By CA						
pH	SM 4500H-B	AL91426	0.1	13-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91425	0.05	14-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91318	1.8	15-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91318	1.8	15-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0651

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	12/13/19	11:37	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48 / 13.4°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/13/19	11:40
Received by:	Armando Olmos (Pat-Chem)	12/13/19	11:40
Relinquished by:	Armando Olmos (Pat-Chem)	12/13/19	15:30
Received by:			
Relinquished by:			
Received in lab by:	Jaime Parra	12/13/19	15:30

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-20 16:38
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0673-01) Collected: 14-Dec-19 By JC						
pH	SM 4500H-B	AL91429	0.1	14-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91430	0.05	14-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91424	1.8	16-Dec-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91424	1.8	16-Dec-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1960673

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Joseph Clark	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/14/19	0959	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	12/14/19	
Received by: EB Cuadra	JM	12/14/19	1100
Relinquished by: EB Cuadra	JM	12/14/19	1200
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	12/14/19	12:00

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

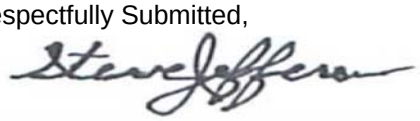
Attention: Ric Vardel
Report Date: 02-Jan-20 16:43
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0675-01) Collected: 15-Dec-19 By VA						
pH	SM 4500H-B	AL91833	0.1	15-Dec-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91633	0.05	16-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91525	1.8	17-Dec-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91525	1.8	17-Dec-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 190675

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: VICTOR ARIKIAN
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/15/19	06:31	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	12/15/19	06:31
Received by	Alex Walker Jr (PCL)	12/15/19	08:00 AM
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	12/15/19	09:55

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL)'s standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) or the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the stipulated amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for condition in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder for the exclusive use and benefit of client and client agrees that shall be no third party beneficiary of such reports, data or information. Client will not, due to any third party disclosure, use any testing technique, information, software, principles or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, and/or unpossessed use of property and or 3. Breach of local, state or federal laws. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to liens, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent not clearly under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable by client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if such is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples/materials for analyses such as asbestos, polychlorinated biphenyls, lead-based or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, regulations or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or its client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's authorized price schedule in effect at the time of operations and/or date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance for any analysis is required for all new clients or clients with a history of payment problems or accounts that have not established with PCL. For clients with an established credit account, the terms for payment of charges are NET CASH (most thirty (30) days from date of invoice). To the fullest extent permitted by law, all bills for services/fees, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, PCL shall be entitled to recover its costs and attorney's fees, whether incurred with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third parties may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to all contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, i.e. 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (excess of 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

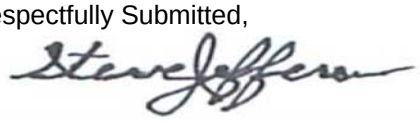
Attention: Ric Vardel
Report Date: 02-Jan-20 16:50
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0694-01) Collected: 16-Dec-19 By VA						
pH	SM 4500H-B	AL91833	0.1	16-Dec-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91737	0.05	17-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91632	1.8	18-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91632	1.8	18-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910694

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	12/16	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56 / 17.7 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (CPC)	12/16/19	13:45
Received by	Alejandro Ochoa (Pat-Chem)	12/16/19	13:45
Relinquished by	Alejandro Ochoa (Pat-Chem)	12/16/19	15:25
Received by			
Relinquished by			
Received in lab by	Jaime Estrada	12/16/19	15:25

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

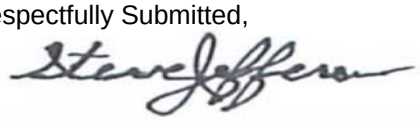
Attention: Ric Vardel
Report Date: 02-Jan-20 16:54
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0737-01) Collected: 17-Dec-19 By CA						
pH	SM 4500H-B	AL91833	0.1	17-Dec-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91831	0.05	18-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91730	1.8	19-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91730	1.8	19-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0737

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/17/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.45 / 21.8°
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID. WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	12/17/19	12:40
Received by	Armando Olmos (Pat-Chem)	12/17/19	12:40
Relinquished by	Armando Olmos (Pat-Chem)	12/17/19	17:05
Received by			
Relinquished by			
Received in lab by	Alex Valkov Jr	12/17/19	13:58

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who/that requests laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or supplemented from time to time by PCL.

2. **Independent Contractor**

PCL acts solely as an independent contractor in performing all services.

3. **Orders and Acceptance**

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes: 1. an acceptance by the Client of PCL's offer to do business with the Client under the Terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "Services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. **Limit of Liability**

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. **Clients Responsibility**

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the safety and all information required to enable PCL to perform its services safely and efficiently.

6. **Cancellation**

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. **Overriding Agreement**

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are matched in writing and executed by an authorized representative of both parties.

8. **Force Majeure**

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. **Confidentiality**

Data and /or sample analysis provided by client or at client's request and the results prepared by PCL shall be held in confidence unless such information is generally available to the public and/or the public domain or client has first to pay PCL for all services rendered. It is often in the interest of the parties hereto to keep information concerned with their respective businesses confidential. Each party hereto agrees that it will not disclose the terms and conditions of this agreement to any third party (other than its attorneys, accountants, auditors, bankers, financial advisors and other agents and representatives who need to know such information and who agree to keep such information confidential) and will not disclose any of the other party's confidential information to any third party (other than its attorneys, accountants, auditors, bankers, financial advisors and other agents and representatives who need to know such information and who agree to keep such information confidential), except: (a) as may be necessary in connection with the enforcement of this agreement or rights under this agreement; (b) to the extent necessary to comply with applicable law or the valid order of a governmental agency, provided that the disclosing party provides prior written notice thereof to the non-disclosing party, and reasonably cooperates with the non-disclosing party's efforts to obtain confidential treatment or a protective order; (c) to the extent necessary in connection with the exercise of any remedy hereunder; (d) to the extent such information is publicly available other than by reason of a breach of this agreement; or (e) to the extent such information is independently developed by the disclosing party. Each party agrees that its agents, employees and representatives who have access to the other party's confidential information shall be informed of the confidential nature of such information and shall be instructed to keep such information confidential in accordance with this agreement. Each party shall be responsible for any breach of this agreement by its agents, employees and representatives. Upon the termination of this agreement, each party shall promptly return to the other party all copies, notes or other material in its possession or control containing confidential information of the other party or certify in writing that all such copies, notes or other material have been destroyed. Notwithstanding the foregoing, PCL and its affiliates may use Client's name and the fact that Client has engaged PCL to perform the services described herein in connection with PCL's performance of services to other clients and in connection with PCL's boilerplate client lists, but PCL and its affiliates may not otherwise disclose Client's name or the fact that Client has engaged PCL to perform the services described herein without Client's prior written consent.

10. **Hold Harmless**

Client, engages and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses, damages, causes, demands, actions, costs and expenses including, but not limited to, attorney's fees, litigation expenses, and court costs arising in favor of Client or any third parties as a result of, and/or in any way relating to: (a) PCL's breach of any of its representations or the performance of services by PCL pursuant to this agreement; (b) improper handling or disposal of client's hazardous materials; (c) injury, illness or death of persons; (d) loss of damage to property and/or; (e) any loss of business or profits by Client or any of their subs. This indemnity shall not apply to any claim, loss, damage, cause, demand, action, cost or expense arising solely from the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not apply to any claim, loss, damage, cause, demand, action, cost or expense arising out of any failure by Client to comply with any of its obligations under this agreement or the negligence of an independent contractor or other third party, except to the extent that PCL is alleged to be responsible for the performance of services under this agreement. The foregoing indemnities will be in addition to and not in lieu of any other indemnities set forth in this agreement or other agreements between the parties hereto, which shall remain in full force and effect. Client agrees that its indemnity obligations set forth herein will be fully assumable by its successors and assigns in the event that Client undergoes a change of control, whether by merger, consolidation, sale of stock or assets, initial public offering, or any other business transaction (including without limitation, loss of status as business organization, operation of law or any bankruptcy, insolvency, reorganization or liquidation proceeding instituted by or against Client, and for purposes of this agreement, a transfer or assignment to one or more of Client's affiliates, subsidiaries or parent companies, whether by operation of law or otherwise, shall not be deemed to result in a change of control).

11. **Hazardous Substances**

Report to perform the analysis specified by client. Client will advise and PCL will receive samples exhibits for analysis such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, unless such exhibits are specifically designated or identified as such. Unless federal, state or local laws require PCL perform or transport samples that are toxic or hazardous, and upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or to PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aseptic bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. **Prices/Payments**

Client shall pay PCL in accordance with PCL's published price schedule in effect at the time of agreement. Unless otherwise stated, services are billed with quotation and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due in full upon completion of services unless other terms are established in advance. If payment is not received by PCL within thirty (30) days of invoice, Client shall pay PCL a late charge of 1.5% per month on the unpaid balance. If unpaid accounts are referred to an agency or attorney for collection, the client shall pay all collection costs and attorney's fees, including fees for in-house counsel, in addition to all other amounts due. Client is subject to interest at the rate of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance, if unpaid accounts are referred to an agency or attorney for collection, the client shall pay all collection costs and attorney's fees, including fees for in-house counsel, in addition to all other amounts due.

13. **Agreement Modification**

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an authorized representative of PCL and the Client. Any waiver by either party of any breach of the Terms shall not be deemed a waiver of any subsequent breach or default of the same or similar nature.

14. **No Third Party Beneficiaries, No Right of Reliance**

PCL shall have no responsibility or liability to any person or entity other than Client. Information or reports furnished by PCL to Client hereunder are confidential and for Client's exclusive use. Neither Client nor PCL shall use the name of the other party or any of its employees in any boilerplate, boilerplate, boilerplate,

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

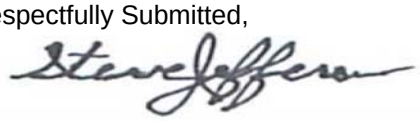
Attention: Ric Vardel
Report Date: 02-Jan-20 15:54
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19L0770-01) Collected: 17-Dec-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AL91908	2	24-Dec-19 (RM)	439 mg/l	
Total Suspended Solids	SM2540D	AL91907	1	19-Dec-19 (EA)	235 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910770

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/17	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
	1	1	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	12/18/19	12:30
Received by			12/18/19	1230
Relinquished by			12/18/19	1400
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	12/18/19	12:48

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab ~~Comp~~	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additional or amendments hereto that are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and who is its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. **Independent Contractor**

PCL acts solely as an independent contractor in performing its services.

3. **Orders and Acceptance**

PCL client sales will accept no terms for services or deliver hereunder other than the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written order (or verbally to PCL any such order shall be 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or Client's continuing services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract in the absence of acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. **Limit of Liability**

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use reports of methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterbrend (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or disposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. **Clients Responsibility**

Unless PCL personnel perform the sampling, the client shall be responsible for the conditions in which the samples are collected and for conditions in and about the sampling site and for advising PCL in the same and all information required to enable PCL to perform its services safely and efficiently.

6. **Cancellation**

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. **Overriding Agreement**

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent that Terms are modified in writing and executed by an authorized representative of both parties.

8. **Force Majeure**

PCL shall not be responsible for delay or failure to perform its services pursuant to this agreement due to causes beyond its control.

9. **Confidentiality**

Data and the sample materials provided by client or on client's behalf and the results obtained by PCL that are not in the public domain or are not otherwise known to PCL or available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process, PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and Client agrees that it shall not in any way furnish any of such reports, data or information to any third party without the prior written consent of PCL. Client will not disclose any such data or information or use any technical information, software, processes or other trade secrets.

10. **Hold Harmless**

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliate companies and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (the "Indemnified Expenses"), and interest arising in favor of any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement or the transportation, handling or disposal of client's hazardous materials. I more, because of client's breach of contract, tort, or otherwise, whether a claim is alleged or the services under this agreement. The foregoing indemnities will be in addition to any liability which client might otherwise have to PCL and the other indemnified persons. To the fullest extent by applicable law, client agrees that its indemnity obligation will be supported by adequate liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. To the extent client's PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruption. Litigation costs and expenses including, without limitation, attorney's fees, court costs, and the cost of pre-judgment interest, or any other expenses or costs incurred by client or any other party. In any litigation against or involving PCL or any indemnified persons in connection with this agreement or as to any matter covered under this agreement even if client is the prevailing party.

11. **Hazardous Substances**

For PCL to perform the services requested by client, client will provide and PCL will receive samples and/or client's industries such as colleges, educational institutions, laboratories or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether existing or hereafter enacted or promulgated) for any physical or environmental injury or harm of any form of the "Hazardous Materials"). Client understands and agrees that any Hazardous Materials received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples or samples held by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. **Prices/Payments**

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of performance of the services unless otherwise agreed in writing by PCL and client confirmed in writing. The price schedule is subject to change at any time without notice. Payment terms are net 30 days unless a different payment term is agreed to in writing by PCL. Client shall pay a late charge of 1.5% per month (or the highest rate permitted by law, any amount unpaid 30 days after the invoice date. Client is subject to interest at the rate of 1.5% per month or the highest rate permitted by law, any amount not paid by PCL per invoice on the invoice balance. If collection efforts are initiated through legal proceedings, client shall pay all costs of collection, including reasonable attorney's fees, court costs and other expenses incurred by PCL in connection therewith.

13. **Agreement Modification**

Changes, or solicitations or amendments to the Terms shall be effective only if executed by authorized representatives of both parties. Any subsequent orders for additional services may be placed verbally or in writing.

14. **No Third Party Beneficiaries; No Right of Reliance**

PCL shall have no responsibility or liability for client's use or reliance on data, information or reports furnished by PCL. Client's testing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. The parties acknowledge that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or to be relied upon, in connection with the sale, underwriting, or purchase of securities, any private offering memorandum, or the issuance, amendment, renewal or extension of any loans from any financial institution or in connection with the certification to or contracting with any federal, or state, or any governmental agency or department.

15. **Rush Analysis**

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. **Holding Times**

PCL cannot be responsible for holding times that are expired because of samples that are delivered on weekends or after 3pm on weekdays, without prior notification and acceptance. Standard holding times and method guidelines should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 16 days or less (samples must arrive [illegible] days before expiration) will require [illegible] holding times. A rush charge applies for rush turnaround. All short holding times (72 hrs, settle, [illegible]) require that the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 24 hours or less (such as [illegible]) hours must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. **Sample Retention**

All samples are retained for a period of sixty (60) days after analysis has been completed. Longer storage for longer periods is by request only. Prepaid and long term storage is subject to an additional charge. Samples will be disposed of at the end of the prepaid storage time.

18. **Sample Pick Up/Field Tech Sampling**

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

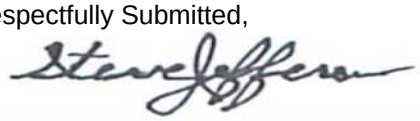
Attention: Ric Vardel
Report Date: 02-Jan-20 16:59
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0771-01) Collected: 18-Dec-19 By CA						
pH	SM 4500H-B	AL91845	0.1	18-Dec-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91846	0.05	18-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91830	1.8	20-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91830	1.8	20-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910771

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project : (MCC) Daily EFF

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/18/19	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/18/19	12:30
Received by	EC		12/18/19	1230
Relinquished by	EC		12/18/19	1400
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	12/18/19	12:49

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: Grab, Comp
Matrix: AQ - Water, SO - Soil / Sludge, OT - Other
Bottle Type: P - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations:
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted [if at all] by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate (permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the pitch, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, of 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-20 15:41
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0769-01) Collected: 18-Dec-19 By CA						
Ammonia as N	EPA 350.1	AL91829	0.10	19-Dec-19 (SS)	0.47 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AL91915	0.10	20-Dec-19 (LA)	0.89 mg/l	
Total Suspended Solids	SM2540D	AL91907	1	19-Dec-19 (EA)	<1 mg/l	
Nitrate as N	EPA 353.2	AL91844	0.02	20-Dec-19 (LA)	2.53 mg/l	
Nitrite as N	EPA 353.2	AL91844	0.02	20-Dec-19 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 19L0769-02) Collected: 17-Dec-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AL91908	2	24-Dec-19 (RM)	5 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0769

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Weekly	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/18/19	1120	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	HS	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/17/19	0000	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/18/19	12:30
Received by	EB	Carlos	12/18/19	1230
Relinquished by	EB	Carlos	12/18/19	1400
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr.	12/18/19	12:46

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
~~Comp~~

Matrix
~~AQ~~ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
~~P~~ - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
~~HS~~ - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the prices (Pricing), and any additional or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereinafter) under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initial field consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the ... normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and/or sample materials provided by client or to client's customer and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or by the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential where such standard was observed. All reports are information provided thereto are for the exclusive use and benefit of client and PCL's reports thereof shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning PCL's proprietary information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and reasonable expenses, including, but not limited to, attorneys fees and litigation expenses, and awards arising in favor of Client or any third party as a result of, and to the extent arising, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, or use of, or loss of use of property or 3. financial loss of money or of profits. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the client's negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, client damages, settlement, every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including without limitation, attorney's fees, expert costs and/or pre-judgment interest), or any other expenses or costs incurred by client or any other party, in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, regulations or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's Price Schedule in effect at the time of execution of the Terms (the "Price Schedule") and/or subsequent orders and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due at the time services are rendered or invoiced for all services unless prior credit arrangements have been established or until a history of prompt payment and credit acceptance has been established with PCL. For those clients with established credit accounts, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by applicable law, any amount subject to any dispute shall not be due and payable and shall not be subject to interest at the rate of the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances if unpaid accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees and/or collection agency fees or other charges.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and the client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries/No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, required or used to resell upon, in connection with or as part of the purchase, sale, underwriting, or distribution of securities, any periodic or other reporting to the holders of securities, the servicing, administration, renewal or coverage of any loan from any financial institution or other lender or the syndication to or contract with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded by acts of samplers that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times are met. Short holding times of 48 hours or less (success is 6 hours) must be delivered that same day (in order to guarantee holding times are met). After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

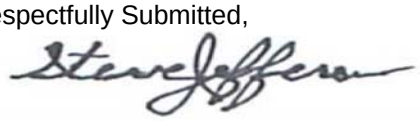
Attention: Ric Vardel
Report Date: 02-Jan-20 17:07
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0810-01) Collected: 19-Dec-19 By CA						
pH	SM 4500H-B	AL91927	0.1	19-Dec-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AL91923	0.05	19-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL91910	1.8	21-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL91910	1.8	21-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910210

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir		P.O. #:
	Report Attention:		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/19/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.37/18.9°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCT									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/19/19	17:40
Received by		Fernando Olmos (IPC)	12/19/19	17:40
Relinquished by		Fernando Olmos (IPC)	12/19/19	16:20
Received by				
Relinquished by				
Received in lab by			12/19/19	16:20

Sample Received Checklist

Temperature upon receipt:	4.0/
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

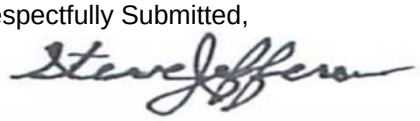
Attention: Ric Vardel
Report Date: 02-Jan-20 17:12
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0842-01) Collected: 20-Dec-19 By CA						
pH	SM 4500H-B	AL92122	0.1	20-Dec-19 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500Cl-G	AL92017	0.05	20-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92014	1.8	22-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92014	1.8	22-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910842

(MCC) Daily EFF

Customer: IPC, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	12/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2 / 20.4
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GSE)	12/20/19	12:27
Received by		Cindy Mariner	12/20/19	12:27
Relinquished by			12/20/19	13:30
Received by				
Relinquished by				
Received in lab by		Jaime Parada	12/20/19	13:39

Sample Received Checklist

Temperature upon receipt: 4.9

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

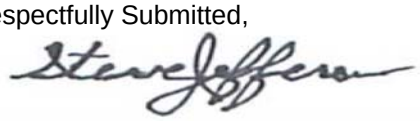
Attention: Ric Vardel
Report Date: 02-Jan-20 17:17
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0850-01) Collected: 21-Dec-19 By JC						
pH	SM 4500H-B	AL92217	0.1	21-Dec-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AL92126	0.05	21-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92121	1.8	24-Dec-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92121	1.8	24-Dec-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910850

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Joseph Clark		P.O. #:
	Report Attention: Ric Vardel / Golan Kfir		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/21/19	0958	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	12/21/19	0959
Received by: Jose L Gomez	Jose L Gomez	12/21/19	1000
Relinquished by: Jose L Gomez	Jose L Gomez	12/21/19	1102
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	12/21/19	1102

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

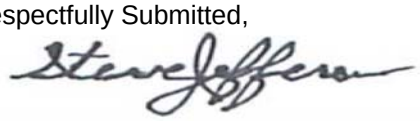
Attention: Ric Vardel
Report Date: 02-Jan-20 17:21
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0857-01) Collected: 22-Dec-19 By VA						
pH	SM 4500H-B	AL92612	0.1	22-Dec-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AL92341	0.05	23-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92216	1.8	24-Dec-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92216	1.8	24-Dec-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0857

Customer: IPC, Inc.

Project : (MCC) Daily EFF

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/22/19	09:26	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 22 2019
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	12/22/19	09:26
Received by		Alex Walker Jr (PCL)	12/22/19	11:04
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	12/22/19	1308

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water, SO - Soil / Sludge, OT - Other

Bottle Type: P - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, ST - Sodium Thiosulfate, AA - Ascorbic Acid, AI - $AlCl_3$, Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from dated of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms must be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall not be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

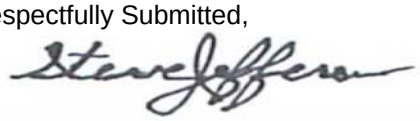
Attention: Ric Vardel
Report Date: 02-Jan-20 17:25
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0879-01) Collected: 23-Dec-19 By CA						
pH	SM 4500H-B	AL92612	0.1	23-Dec-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AL92421	0.05	24-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92334	1.8	25-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92334	1.8	25-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L087a

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive
Project :

Address: Irvine CA 92618
Sampled by: C. D.

Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/23/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	12/23/19	1245
Received by		MARIO SANTIESTEBAN (PCL)	12/23/19	1245
Relinquished by		MARIO SANTIESTEBAN (PCL)	12/23/19	1400
Received by				
Relinquished by				
Received in lab by			12/23/19	1410

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

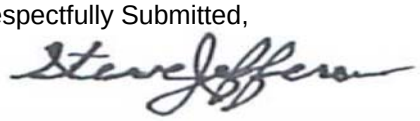
Attention: Ric Vardel
Report Date: 02-Jan-20 17:29
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0899-01) Collected: 24-Dec-19 By CA						
pH	SM 4500H-B	AL92612	0.1	24-Dec-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AL92505	0.05	25-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92418	1.8	26-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92418	1.8	26-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1940899

Customer: ~~IPC, Inc.~~ ~~(MCC) Daily EFF~~ Project :

Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~ Sampled by:

Report Attention: Ric Vardel / Golan Kfir P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/24/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 24 2019
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/24/19	1200
Received by		Alex Walker Jr	12/24/19	1200
Relinquished by				
Received by				
Relinquished by				1153
Received in lab by		Alex Walker Jr	12/24/19	13:00

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

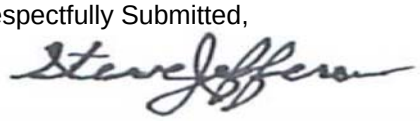
Attention: Ric Vardel
Report Date: 02-Jan-20 17:33
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0908-01) Collected: 25-Dec-19 By VA						
pH	SM 4500H-B	AL92612	0.1	25-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AL92617	0.05	26-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92504	1.8	27-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92504	1.8	27-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0908

Customer: IPC, Inc. (MCC) Daily EFF
Address: 9297 Research Drive, Irvine, CA 92618
Project:
Sampled by: VICTOR ARIKIAN
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/25/19	06:18	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 25 2019
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	12/25/19	06:18
Received by		ALEX WALKER JR	12/25/19	0820
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	12/25/19	1038

Sample Received Checklist
Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type: Grab, Comp
Matrix: AQ - Water; SO - Soil / Sludge; OT - Other
Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations:
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

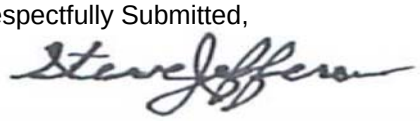
Attention: Ric Vardel
Report Date: 02-Jan-20 17:37
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0928-01) Collected: 26-Dec-19 By CA						
pH	SM 4500H-B	AL92709	0.1	26-Dec-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AL92710	0.05	27-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92611	1.8	28-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92611	1.8	28-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0928

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. Vardel	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/26/19	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56 / 17.1°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Vardel	Carlos Alvarez (GPC)	12/26/19	
Received by	EL	M	12/26/19	1230
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	12/26/19	1400

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

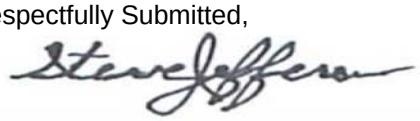
Attention: Ric Vardel
Report Date: 02-Jan-20 15:48
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0931-01) Collected: 26-Dec-19 By CA						
Ammonia as N	EPA 350.1	AL92607	0.10	27-Dec-19 (SS)	<0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AL93020	0.10	31-Dec-19 (LA)	0.76 mg/l	
Total Suspended Solids	SM2540D	AL92823	1	30-Dec-19 (EA)	<1 mg/l	
Nitrate as N	EPA 353.2	AL92716	0.02	27-Dec-19 (LA)	1.32 mg/l	
Nitrite as N	EPA 353.2	AL92716	0.02	27-Dec-19 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 19L0931-02) Collected: 26-Dec-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AL92713	2	01-Jan-20 (EG)	9 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0931

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/26/19	1110	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	HS	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/25/19	0000	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/26/19	
Received by	EL	M	12/26/19	1230
Relinquished by				
Received by				
Relinquished by				
Received in lab by	MT	MARIO SANTIESTEBAN (PCL)	12/26/19	1400

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-20 16:00
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19L0932-01) Collected: 26-Dec-19 By CA						
Biochemical Oxygen Demand	SM 5210B	AL92713	2	01-Jan-20 (EG)	165 mg/l	
Total Suspended Solids	SM2540D	AL92823	1	30-Dec-19 (EA)	158 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L0932

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/25/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
1	1	1	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	12/26/19	
Received by	Eli Cruz for Veolia	12/26/19	1230
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	12/26/19	1400

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

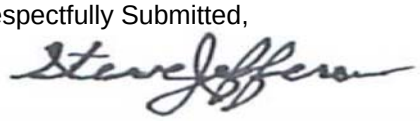
Attention: Ric Vardel
Report Date: 02-Jan-20 17:41
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0947-01) Collected: 27-Dec-19 By GK						
pH	SM 4500H-B	AL92822	0.1	27-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AL92719	0.05	27-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92708	1.8	29-Dec-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92708	1.8	29-Dec-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 9L0947

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/27/19	11:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	~	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/27/19	11:40
Received by: EG	Evan C pal	12/27/19	11:45
Relinquished by: EG	Cmg	12/27/19	1300
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	12/27/19	1300

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

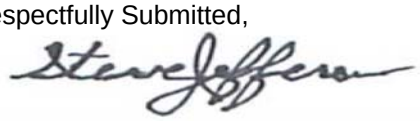
Attention: Ric Vardel
Report Date: 02-Jan-20 17:45
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0957-01) Collected: 28-Dec-19 By Joseph Clark						
pH	SM 4500H-B	AL92822	0.1	28-Dec-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AL92921	0.05	29-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92821	1.8	30-Dec-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92821	1.8	30-Dec-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910957

Customer: IPC, Inc. 9297 Research Drive
Address: Irvine CA 92618
Project: (MCC) Daily EFF
Sampled by: Joseph Clark
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/28/19	1020	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	12/28/19	1025
Received by: Alex Walker	Alex Walker Jr	12/28/19	1143
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Alex Walker	Alex Walker Jr	12/28/19	15:11

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°c
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ - Water)
SO - Soil / Sludge
OT - Other

Bottle Type
(P - Plastic)
G - Amber Glass
VOA - 40 ml Vial
(Coli - bacteria)

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST - Sodium Thiosulfate)
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-20 17:50
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0961-01) Collected: 29-Dec-19 By VA						
pH	SM 4500H-B	AL93120	0.1	29-Dec-19 (RM)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AL93019	0.05	30-Dec-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL92922	1.8	31-Dec-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL92922	1.8	31-Dec-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1926961

IPC, Inc.
Customer: 9297 Research Drive
Address: Irvine CA 92618

(MCC) Daily EFF
Project :

Sampled by: VICTOR ARFKIAN
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/29/19	09:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARFKIAN (IPC)	12/29/19	09:35
Received by	Alex Walker Jr	12/29/19	10:23
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	12/29/19	1331

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

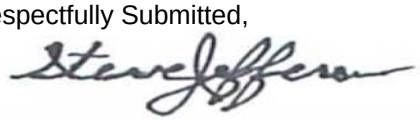
Attention: Ric Vardel
Report Date: 02-Jan-20 17:55
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L0993-01) Collected: 30-Dec-19 By CA						
pH	SM 4500H-B	AL93120	0.1	30-Dec-19 (RM)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AL93121	0.05	31-Dec-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL93018	1.8	01-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL93018	1.8	01-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1940993

Customer: IPC, Inc. 9297 Research Drive
Address: Irvine CA 92618

Project: ~~(MCC) Daily EFF~~
Sampled by: C. Q
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	12/30/19	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
DEC 30 2019
By

Geotracker EDD:
~~Logcode: IPCI~~
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPC)	12/30/19	
Received by	Jairo Manjivar	12-30	12:30
Relinquished by	Jairo Manjivar	12-30	3:01PM
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr.	12/30/19	16:55

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
~~Grab~~
Comp

Matrix
~~AQ - Water~~
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
~~VOA - 40 ml Vial~~
~~Coli - bacteria~~

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
~~ST - Sodium Thiosulfate~~
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

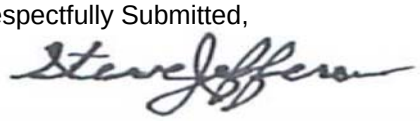
Attention: Ric Vardel
Report Date: 02-Jan-20 17:59
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19L1028-01) Collected: 31-Dec-19 By CA						
pH	SM 4500H-B	AA00107	0.1	31-Dec-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00113	0.05	01-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL93119	1.8	02-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL93119	1.8	02-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19L1028

IPC, Inc.
9297 Research Drive
Irvine CA 92618

(MCC) Daily EFF

Customer:
Address:
Project :
Sampled by: Ric Vardel / Golan Kfir
Report Attention:
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
~~EFF~~	12/31/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.52 / 18.8°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
DEC 31 2019
By

Geotracker EDD:
~~Logcode: IPCI~~
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (GPE)	12/31/19	11:50
Received by	Armando Olmos (Pat-Chem)	12/31/19	11:50
Relinquished by	Armando Olmos (Pat-Chem)	12/31/19	12:40
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	12/31/19	1240

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
~~Matrix~~
(AQ) - Water
SO - Soil / Sludge
OT - Other

Bottle Type
~~Bottle Type~~
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17



Malibu Civic Center Wastewater Treatment Facility

2019 Annual Long-Term Groundwater and Surface Water Monitoring Report

prepared by

Rincon Consultants, Inc.

February 28, 2020

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
rinconconsultants.com

Rincon Consultants, Inc.
180 North Ashwood Avenue
Ventura, California 93003

805 644 4455 OFFICE AND FAX

info@rinconconsultants.com
www.rinconconsultants.com

February 28, 2020
Project No: 15-01587

Yolanda Bundy
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90401

Subject: **2019 Annual Long-Term Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California**

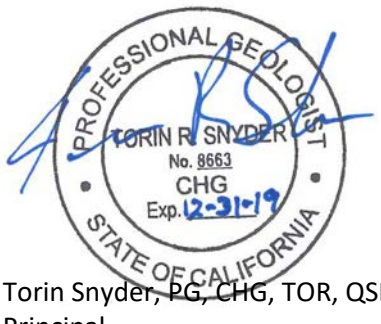
Dear Ms. Bundy:

Rincon Consultants, Inc. has prepared the 2019 Annual Long-Term Groundwater and Surface Water Monitoring Report for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California. The CCWTF began discharging treated wastewater in the third quarter of 2018. Therefore, Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II) was triggered and quarterly groundwater monitoring was initiated.

The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts due to land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

Please contact us with any questions you may have regarding the results of this Report.

Sincerely,
Rincon Consultants, Inc.



Kiernan Brtalik, CPSWQ, QSP/D
Environmental Scientist

Torin Snyder, PG, CHG, TOR, QSD/P
Principal

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment."

Executed on the 26 day of February at 5:00pm



_____

Signature

Environmental Sustainability Director

_____

Title

Table of Contents

1 Introduction 3

2 Background 3

3 Geologic and Hydrogeologic Setting 5
- 3.1 Hydrology 5
- 3.2 Geology 5
- 3.3 Hydrogeology 5

4 Activities Completed During 2019 6

5 Groundwater Elevations and Gradients 6
- 5.1 Shallow Zone 6
- 5.2 Deep Zone 7
- 5.3 Winter Canyon 7

6 Water Quality Sampling Analysis 7
- 6.1 Surface Water 7
  - 6.1.1 Sampling Methodology 7
  - 6.1.2 Laboratory Analyses 8
- 6.2 Groundwater 9
  - 6.2.1 Sampling Methodology 9
  - 6.2.2 Laboratory Analyses 10
- 6.3 Analytical Laboratory QA/QC 11

7 Scheduled Activities for 2020 11

8 Summary of Monitoring Activities 11
- 8.1 Groundwater Elevations 11
- 8.2 Surface Water Quality 12
- 8.3 Groundwater Quality 12

9 Limitations 12

10 References 14

Tables

Table 1 Groundwater Elevations

Table 2 Long-Term Groundwater and Surface Water Analytical Matrix

Table 3 Surface Water Analytical Results

Table 4 Groundwater Analytical Results

Figures

Figure 1 Vicinity Map
Figure 2 Site Map – Civic Center Area
Figures 3a-l Groundwater Elevations January – December 2019
Figure 4 The Nitrogen Cycle

Appendices

Appendix A Groundwater and Surface Water Field Sheets
Appendix B Laboratory Analytical Reports

1 Introduction

This report presents the results of the 2019 reporting period for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California (Figure 1). The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts because of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

This report was prepared by Rincon Consultants, Inc. (Rincon) and presents the geologic and hydrogeologic setting, groundwater elevations and gradient, surface water and groundwater sampling methodologies, and water quality data results.

2 Background

On-site wastewater disposal systems (OWDS) have allegedly contributed to the non-point source pollution of Malibu Creek and Lagoon located in the Civic Center Area of the City of Malibu (Figure 2). The City of Malibu has designed and constructed a new wastewater treatment facility to comply with regulatory actions taken by the Los Angeles Regional Water Quality Control Board (LARWQCB) and the State Water Resources Control Board (SWRCB) to prohibit discharges from OWDS in the Civic Center area.

To establish baseline groundwater and surface water quality conditions prior to operation and discharge of treated wastewater, the LARWQCB required basin-wide, baseline groundwater and surface water monitoring. The water quality monitoring program was driven by several factors:

- Timelines established through regulatory action
- Proposed programs to fulfill anticipated future regulatory requirements associated with the development of the CCWTF
- The distribution of Title 22 Recycled Water in the Prohibition area
- Protection of the Malibu Valley Groundwater Basin, Malibu Creek, Malibu Lagoon, and the near shore environment of Santa Monica Bay

Following activation of the CCWTF operations, baseline monitoring activities (Task I) were completed and long-term monitoring activities (Task II) were triggered. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and landscape irrigation or percolation, may have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

The basin-wide long-term monitoring program consists of four of the original five water quality monitoring tasks that occur in the Civic Center area of the City of Malibu. All five monitoring tasks were designed to provide a comprehensive basin-wide groundwater and surface water monitoring program. Below is a general description of each task.

Task I – Baseline Groundwater and Surface Water Quality Monitoring of the Civic Center Area *(Completed)*

The baseline groundwater and surface water quality monitoring task involved monitoring groundwater in nine (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) locations. The objective of this task was to develop baseline, ambient shallow and deep groundwater, and surface water conditions prior to the implementation of the CCWTF, as required by the Monitoring and Reporting Program (MRP) No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task II – Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area

The long-term groundwater and surface water quality monitoring task involves monitoring groundwater in nine (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) locations. The objective of long-term monitoring is to identify impacts, if any, that land disposal of recycled water, via injection and landscape irrigation or percolation, have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon and to comply with the project-specific Waste Discharge Requirement (WDR). The mix of shallow and deeper monitoring wells were chosen to provide adequate spatial and vertical coverage of the basin near the CCWTF injection to monitor for potential adverse impacts. The nine (9) groundwater monitoring wells and ten (10) surface water sampling locations identified in Task II are sampled on a quarterly basis after CCWTF operations commence. This sampling is required by the MRP No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task III – Salt and Nutrient Management Plan Monitoring Program

The Salt and Nutrient Management Plan (SNMP) monitoring program branches from the baseline and long-term groundwater and surface water monitoring programs described above (Tasks I and II). Task III involves performing semi-annual groundwater monitoring at sixteen (16) groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City and in a small area in unincorporated Los Angeles County. The objective of the SNMP is to monitor potential impacts that recycled water, introduced through irrigation and injection, may have on the Malibu Groundwater Basin. The SNMP also provides data to assess the various phases of the CCWTF implementation during the time that the collection system and treatment plant connections increase, and as OWDS-related discharges cease (RMC Water 2015a).

Task IV – Memorandum of Understanding Compliance Monitoring

Compliance with the Memorandum of Understanding (MOU) the City has with the LARWQCB corresponds with baseline and long-term groundwater and surface water monitoring programs described in Tasks I through III above. Task IV involves performing semi-annual monitoring at fourteen (14) groundwater wells located in the City's Civic Center area. The objective of the MOU is to monitor for potential impacts to the Shallow Alluvium because of CCTWF implementation (LARWQCB 2014).

Task V – Civic Center Groundwater Elevation Monitoring Program

The groundwater elevation monitoring program assesses the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon. The objective of this task is to provide an understanding

of the groundwater elevation conditions in the Civic Center Area, including elevation trends related to precipitation, tidal, and lagoon influences (LARWQCB 2015).

3 Geologic and Hydrogeologic Setting

3.1 Hydrology

The project is in the Los Angeles hydrologic region, as defined by the LARWQCB. The Los Angeles hydrologic region encompasses all coastal drainages flowing to the Pacific Ocean between Rincon Point and the eastern Los Angeles County line. The study area covers the Malibu Creek and Winter Canyon Creek watersheds. Most of the study area addressed in this report is located within the 109–square-mile Malibu Creek watershed, which is the second largest watershed draining to the Santa Monica Bay. The Malibu Creek watershed contains mostly undeveloped mountain areas, residential properties, and natural streams (LARWQCB 2011). Malibu Lagoon, a 13-acre brackish estuary, is located at the terminus of the Malibu Creek watershed and is one of only two remaining coastal marshes in Los Angeles County.

3.2 Geology

The study area is located within the Santa Monica Mountains in the northwestern corner of the Los Angeles basin. The study area lies at the juncture of the Peninsular Ranges geomorphic province, consisting of a northwest-oriented structural grain, and the Transverse Ranges geomorphic province, which features a predominantly east-west-oriented structural grain.

The 45-mile-long Santa Monica Mountains range is part of the southernmost portion of the western Transverse Ranges province. It forms an east-west range of low mountains along the southern California Coast from the Oxnard Plain to Los Angeles. The Santa Monica Mountain range is characterized by long, south-draining canyons on its south flank and short, north-draining canyons on its north flank. The Malibu Canyon and Winter Canyon are two canyons in the study area that drain south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (DWR groundwater basin no. 4-22) is a 613-acre alluvial basin. The groundwater basin is bounded by the Pacific Ocean to the south and the Santa Monica Mountains to the north, east, and west. The basin is composed of non-water-bearing Tertiary age rocks.

Water bearing geologic formations in the Malibu Valley Groundwater Basin include Holocene alluvium, consisting of clays, silts, sands, and gravels overlying impermeable bedrock. The unconsolidated alluvium in the Civic Center area by Malibu Creek and other small drainages is estimated to range in thickness from a thin layer near the valley walls to about 175 feet in the central part of the main body of the alluvium.

The alluvium can be subdivided into three categories or zones: 1) a shallow zone of permeable alluvial sediments, 2) underlain by a sequence of fine-grained estuarine deposits, and 3) an

underlying coarse-grained stratum commonly referred to as the "Civic Center Gravels" (GeoSoils 1989, Leighton 1994, ECI 200, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 13 feet below grade and is deeper in the upland canyon areas.

4 Activities Completed During 2019

The following activities were completed during the 2019 reporting period:

- Rincon prepared the Fourth Quarter 2018, Annual 2018, First Quarter 2019, Second Quarter 2019, and Third Quarter 2019 Groundwater and Surface Water Monitoring Reports for City submittal to the LARWQCB
- Rincon collected and analyzed groundwater and surface water samples for WDR/MRP compliance (Task II) during each quarter of 2019
- Rincon collected and analyzed groundwater samples for SNMP (Task III) and MOU (Task IV) compliance during the second and third quarters of 2019
- Rincon measured depth to water in the groundwater monitoring wells monthly throughout the 2019 reporting period (Task V)

5 Groundwater Elevations and Gradients

Rincon mobilized to 46 groundwater monitoring wells on a monthly basis to measure the depth to water using an electronic water level indicator throughout the 2019 reporting period (Table 1 and Appendix A). Of the 46 groundwater monitoring wells, two of the wells were unable to be located (MBCMW-5 and MBCMW-6), one well was reported to be buried (GH9-M4), and one was reported dry (SMBRP-15B). Of the 43 groundwater monitoring wells that were measured, seven of the wells do not have elevation data for the top of well casing and one well was dry during 2019 (SMBRP-15B). Therefore, groundwater elevations could not be calculated in these eight groundwater wells.

5.1 Shallow Zone

Groundwater elevations ranged from 1.34 feet above mean sea level (amsl) in CCPE to 24.25 feet amsl in SMBRP-8 (ECI-RC-MW01) (Table 1). Groundwater elevations decreased a maximum of 2.26 feet amsl in MBCMW-7 and increased a maximum of 2.06 feet amsl in CCPE from January to December 2019.

Groundwater monitoring wells in close proximity to Malibu Lagoon and Creek (C-1, C-2, CCPNE, CCPE, CCPSW, P-4, P-9, MCWP-MW10, SMBRP-2, and SMBRP-6) mostly recorded the largest groundwater elevation fluctuations; seasonal variability (precipitation) and Malibu Creek and Lagoon upstream hydrological contributions appear to strongly influence these shallow

groundwater wells. Groundwater elevations increased in all of these groundwater monitoring wells between January and December 2019, with the exception of C-2, CCPNE, and P-9.

In the vicinity of the Civic Center Way and Stuart Ranch Road, groundwater elevations increased in MBCMW-8, MCWP-MW04S, and SMBRP-10C and decreased in MBCMW-7 and SMBRP-16. Further south towards the coastline, groundwater elevations increased in SMBRP-12 and MCWP-MW08 and decreased in MCWP-MW07S and SMBRP-13.

An annual average groundwater gradient of 0.0047 feet/foot was calculated using monthly groundwater gradients derived from groundwater monitoring wells SMBRP-2, SMBRP-9, and SMBRP-12. The predominant direction of groundwater flow was south-southeast. Elevation data and flow direction are shown on Figures 3a through 3l.

5.2 Deep Zone

Groundwater elevations ranged from 4.50 feet amsl in MCWP-MW07D to 11.39 feet amsl in MCWP-MW09 (Table 1). Groundwater elevations increased in all deep groundwater monitoring wells when comparing groundwater elevations between January and December, with the exception of MCWP-MW02 which decreased 0.84 feet. In the remaining seven wells, groundwater elevations increased a maximum of 1.06 feet amsl in MCWP-MW07 and increased a minimum of 0.41 feet amsl in MCWP-MW01 and MCWP-MW05 from January to December 2019.

5.3 Winter Canyon

The groundwater elevations for the Winter Canyon groundwater monitoring locations ranged from 9.65 feet amsl at SMBRP-11 to 58.65 feet amsl in LAMW-5S between January and December 2019 (Table 1). Both monitoring locations showed a decrease in groundwater elevations over the 2019 reporting period. The groundwater elevations at SMBRP-11 and LAMW-5S decreased by 1.08 and 1.23 feet, respectively.

6 Water Quality Sampling Analysis

The surface water and groundwater samples collected during 2019 were transported under chain-of-custody documentation to Enthalpy Analytical (Enthalpy), located in Orange, California. All surface water and groundwater monitoring locations and corresponding laboratory analyses are shown in the Groundwater and Surface Water Analytical Matrix (Table 2). The analytical laboratory results for all samples collected in 2019 are shown in Tables 3 and 4. Laboratory reports are included as Appendix B of this report.

6.1 Surface Water

6.1.1 Sampling Methodology

A total of ten (10) surface water samples were collected during each quarterly surface water monitoring event. All surface water samples were collected up-current of the sampling person's

body to minimize potential contamination of the surface water samples with bacteria originating from field personnel. Surface water samples were collected directly into lab-supplied containers when possible, or into a clean field sampling container and then transferred into preserved and non-preserved containers supplied by Enthalpy. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in a cooler and delivered via courier to Enthalpy under chain-of-custody documentation.

Near Shore

During each monitoring event, four (4) ocean water samples were collected from the Near Shore area along Malibu Road (N-001 through N-004). Surface water samples were collected from each location at a depth of approximately 3-6 inches (ankle deep).

Malibu Lagoon and Creek

During each monitoring event, six (6) surface water samples were collected from the Malibu Lagoon and Creek (L-001 through L-006). Surface water samples were collected from each location at a depth of approximately twelve inches below the surface of the water.

6.1.2 Laboratory Analyses

Total Coliform

In the Near Shore surface water, total coliform concentrations ranged from 41 Most Probable Number per 100 milliliters (MPN/100 mL) at N-001 to above the laboratory upper detection limit of 2,400 MPN/100 mL in four (4) samples. The average total coliform concentration in the Near Shore surface water was 1,314 MPN/100 mL.

In the Malibu Lagoon and Creek surface water, total coliform concentrations exceeded the laboratory upper detection limit of 2,400 MPN/100 mL in each sample collected during 2019, with the exception of L-001 during the second quarter of 2019 (2,000 MPN/100 mL) and L-005 during the fourth quarter of 2019 (less than the reporting detection limit [reporting limit] of 1.0 MPN/100 mL).

Fecal Coliform

In the Near Shore surface water, fecal coliform concentrations ranged from less than the reporting limit of 1.0 MPN/100 mL in 10 samples to 32 MPN/100 mL at N-003. The average fecal coliform concentration in the Near Shore surface water was 4.7 MPN/100 mL[1].

In the Malibu Lagoon and Creek surface water, fecal coliform concentrations ranged from less than the reporting limit of 1.0 MPN/100 mL at L-005 to 1,300 MPN/100 mL at L-006. The average fecal coliform concentration in the Malibu Lagoon and Creek surface water was 238.6 MPN/100 mL.

Nitrogen

Nitrate as Nitrogen

In the Near Shore surface water, nitrate as nitrogen was not detected above the RDL in any of the samples collected during 2019.

[1] For this report, a value of half the reporting limit was used to calculate average concentrations for results below the reporting limit.

In the Malibu Lagoon and Creek surface water, detected nitrate as nitrogen concentrations ranged from 0.05 mg/L at L-006 to 4.73 mg/L at L-001. Nitrate as nitrogen concentrations exceeded the reporting limit of 0.012 mg/L in 13 out of 24 samples collected during 2019.

Other Forms of Nitrogen

All nitrite as nitrogen concentrations in surface water samples collected at the Near Shore and Malibu Lagoon and Creek sampling locations during 2019 were not detected above the reporting limit, which ranged from 0.1 to 5.0 mg/L.

In the Near Shore surface water, organic nitrogen concentrations in 2019 were only detected above the reporting limit, ranging from 0.040 to 0.5 mg/L, at N-004 (0.12 mg/L) sample in the first quarter of 2019 and N-001 (0.060 mg/L) and N-002 (0.120 mg/L) in the fourth quarter of 2019. In the Malibu Lagoon and Creek surface water, organic nitrogen concentrations ranged from less than the reporting limit of 0.040 mg/L at L-001 to 3.7 mg/L at L-006. An average concentration of 0.769 mg/L was calculated for all surface water samples collected from Malibu Lagoon and Creek.

Ammonia (NH_3^+) is the primary form of nitrogen in OWDS effluent, and it is converted to nitrate during the leaching process through the vadose zone (Figure 4). Ammonia (as nitrogen) in surface water samples was detected in six (6) samples in 2019. In the Near Shore surface water, ammonia (as nitrogen) was detected at N-001 and N-002 at concentrations of 0.098 mg/L and 0.038 mg/L, respectively. In the Malibu Lagoon and Creek surface water, ammonia (as nitrogen) was detected at L-001, L-004, L-005, and L-006 at concentrations ranging from 0.017 mg/L to 0.070 mg/L during the reporting period of 2019.

Total Kjeldahl Nitrogen (TKN) concentrations in the Near Shore surface water samples collected in 2019 were detected in four (4) samples, ranging from 0.054 mg/L at N-001 to 0.124 mg/L at N-002. Detected concentrations of TKN in the Malibu Lagoon and Creek sampling locations ranged from 0.066 mg/L at L-003 to 3.7 mg/L at L-006.

Total Phosphorous

Total phosphorus was detected in 14 of 16 surface water samples collected at the Near Shore sampling locations in 2019, ranging from 0.022 mg/L at N-004 to 0.866 mg/L at N-003. Total phosphorus was detected above the reporting limit in all the Malibu Lagoon and Creek sampling locations, ranging from 0.051 mg/L at L-005 to 0.631 mg/L at L-006.

6.2 Groundwater

6.2.1 Sampling Methodology

A total of sixteen (16) groundwater monitoring wells were sampled during the first and third quarter of 2019 (Task II, III, and IV). A total of nine (9) wells were sampled during each quarter of 2019 (Task II). Prior to sampling, a minimum of three casing volumes were purged from each well using a submersible pump or by hand bailing. Purging stopped when consecutive water quality measurements (temperature, electrical conductivity, and pH) varied by less than 10% or until the well purged dry, whichever occurred first. Field equipment was decontaminated between each well. Purged groundwater and decontamination water were stored in a 500-gallon high-density polyethylene tank during field activities, and properly disposed at the CCWTF.

Once each well was purged, groundwater samples were collected using preserved and non-preserved containers supplied by Enthalpy. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in coolers pending delivery to Enthalpy. Field data are included in Appendix A.

6.2.2 Laboratory Analyses

Total Coliform

During the 2019 groundwater monitoring events, total coliform concentrations ranged from less than the reporting limit (1.0 MPN/100 mL) in two (2) samples to at or above the laboratory upper detection limit in eight (8) samples. Total coliform was also detected at a concentration of 4,000 MPN/100 mL at MCWP-MW10. The average total coliform concentration in the groundwater samples collected in 2019 was 756 MPN/100 mL[2].

Fecal Coliform

In groundwater samples collected during the 2019 reporting period, fecal coliform concentrations ranged from less than the reporting limit, ranging from 1.0 to 2.0 MPN/100 mL, in 24 of 46 samples to 2,000 MPN/100 mL in SMBRP-12. The average fecal coliform concentration in the groundwater samples collected in 2019 was 109.8 MPN/100 mL.

Nitrogen

Nitrate as Nitrogen

During the 2019 reporting period, nitrate as nitrogen in groundwater samples ranged from less than reporting limit of 0.012 mg/L in four (4) samples (three [3] wells) to 14.2 mg/L in LAMW-5S with an average concentration of 2.69 mg/L. LAMW-5S and SMBRP-9 had the highest detected nitrate as nitrogen concentrations throughout the reporting period.

Other forms of Nitrogen

Nitrite as nitrogen concentrations were only detected at SMBRP-11 (0.06 mg/L) during the second quarter of 2019.

Detected concentrations of organic nitrogen ranged from 0.050 mg/L in MCWP-MW09 to 34.6 mg/L in SMBRP-12, which is the highest concentration observed since monitoring activities began in the third quarter of 2015. The second highest concentration (3.60 mg/L) was observed at CCPE during the first quarter of 2017.

Ammonia (as nitrogen) concentrations were detected in 27 groundwater samples, ranging from 0.015 mg/L in MCWP-MW07S to 11.4 mg/L in SMBRP-12. Ammonia (as nitrogen) was detected in SMBRP-11, SMBRP-12, MCWP-MW07S, and MCWP-MW09 during each groundwater monitoring event.

TKN concentrations were detected in 43 of 46 groundwater samples, ranging 0.059 mg/L in LAMW-5S to 40 mg/L in SMBRP-12 with an average concentration of 2.35 mg/L.

[2] For this report, the upper detection limit was used calculate the average concentrations for results that exceeded the upper detection limit to.

Total Phosphorous

During the 2019 reporting period, total phosphorus concentrations were detected in each groundwater sample and ranged from 0.019 mg/L in SMBRP-9 to 3.88 mg/L in LAMW-5S with an average concentration of 0.57 mg/L.

Total Dissolved Solids

Total dissolved solids (TDS) concentrations in groundwater samples analyzed during the 2019 reporting period ranged from 78 mg/L in MCWP-MW07D to 6,150 mg/L in MBCMW-09 with an average concentration of 1,868 mg/L.

6.3 Analytical Laboratory QA/QC

Enthalpy performed quality assurance/quality control (QA/QC) measures including the recovery of surrogates. Enthalpy followed all QA/QC procedures per method requirements. The notes column of the analytical reports also has the QC flags. Any issues that are not covered by the qualifier flags (definitions page found below the analytical tables), are addressed as part of the case narrative. Any exceedances are indicated in the Case Narrative of the analytical laboratory report.

7 Scheduled Activities for 2020

The following activities will be completed during 2020:

- Conduct groundwater sampling activities at nine (9) groundwater monitoring wells and ten (10) surface water sampling locations on a quarterly basis (Task II).
- Collect and analyze groundwater for SNMP and MOU compliance (Tasks III and IV).
- Measure depth to water in the groundwater monitoring wells on a monthly basis (Task V).
- Rincon has prepared the Fourth Quarter 2019 Groundwater and Surface Water Monitoring Report and will prepare the First Quarter 2020 and Second Quarter 2020 Groundwater and Surface Water Monitoring Reports for City submittal to the LARWQCB.

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows south-southeast. Groundwater elevations increased in 18 of 25 of shallow wells, with an average change of 0.93 feet. In the vicinity of the Civic Center Way and Stuart Ranch Road, groundwater elevations increased in MBCMW-8, MCWP-MW04S, and SMBRP-10C and decreased in MBCMW-7 and SMBRP-16. Further south towards the coastline, groundwater elevations increased in SMBRP-12 and MCWP-MW08 and decreased in MCWP-MW07S and SMBRP-13.

Groundwater elevations increased in all deep groundwater monitoring wells, with the exception of MCWP-MW02, when comparing groundwater elevations between January and December 2019.

At Winter Canyon, the groundwater elevations at LAMW-5S and SMBRP-11 decreased between January and December 2019.

8.2 Surface Water Quality

Total coliform concentrations in the Near Shore surface water samples steadily increased from the first to fourth quarters of 2019, where concentrations exceeded the laboratory upper detection limit of 2,400 MPN/100 mL at N-001, N-002, and N-003. Total coliform concentrations in the Malibu Lagoon and Creek sampling locations exceeded the laboratory upper detection limit of 2,400 MPN/100 mL in all but two surface water samples collected during 2019.

In the Near Shore surface water, fecal coliform was not detected at N-004 during 2019 and was only detected once at N-001. The detected concentrations observed at N-001, N-002, and N-003 ranged from 1.0 to 32 MPN/100 mL. At the Malibu Lagoon and Creek sampling locations, fecal coliform was detected in every surface water sample collected in 2019, with the exception of L-005 during the fourth quarter of 2019.

Low concentrations of the various forms of nitrogen were observed at the Near Shore and Malibu Lagoon and Creek surface water sampling locations.

Phosphorous was detected in all surface water sample locations and average concentrations decreased compared to concentrations observed in 2018.

8.3 Groundwater Quality

Total coliform concentrations in groundwater monitoring well samples exceeded the upper limit concentration of 2,400 MPN/100 mL in eight (8) samples. The average total coliform concentration in the groundwater samples collected in 2019 was 756 MPN/100 mL.

Detections of fecal coliform were detected during each quarter of 2019 and were reported in 22 groundwater samples, with the maximum concentration observed in SMBRP-12 (2,000 MPN/100 mL). Fecal coliform was not detected in MCWP-MW04S or MCWP-MW04D during the 2019 reporting period.

Nitrate as nitrogen was detected in all sixteen groundwater monitoring wells and average concentrations decreased from 4.03 mg/L in 2018 to 2.69 mg/L in 2019.

Detectable levels of TDS were detected in all sixteen groundwater wells. Average TDS concentrations in groundwater samples decreased from an average of 2,156 mg/L in 2018 to 1,868 mg/L in 2019.

9 Limitations

This report has been prepared for and is intended for the exclusive use of the City of Malibu. The contents of this report should not be relied upon by any other party without the written consent of Rincon Consultants, Inc.

Our conclusions regarding the site are based on observations of existing site conditions, our interpretation of site usage information, and the results of a limited subsurface sampling and chemical testing program. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations intermediate to the locations sampled. Furthermore, conditions may change at any location as a function of time in response to natural conditions, chemical reactions, and other events. Conclusions regarding the condition of the site do not represent a warranty that all areas within the site are like those sampled.

10 References

Ambrose, Richard F. and Anthony R. Orme. 2000. Lower Malibu Creek and Lagoon Resource Enhancement and Management: Final Report to the California Coastal Conservancy.

Fugro West, Inc. 2005. A Steady-State Groundwater Flow Model for the Proposed Malibu-Lapaz Ranch Development. Prepared for Sterling Capital.

GeoSoils. 1989. Response to County of Los Angeles Geologic Review of 18.4 Acre Parcel NW of Cross Creek Road and Civic Center Way. April 17.

Geosyntec Consultants. 2007. Geotechnical Site Exploration and Interpretation of Subsurface Conditions, Malibu Legacy Park Site, Malibu, California. Report prepared for RMC Water and Environment. July 30.

Leighton and Associates, Inc. 1994. Report for Geotechnical Studies for Planning Purposes in the Civic Center Area, City of Malibu, California. Volumes I and II.

Los Angeles Regional Water Quality Control Board. 2011. State of the Watershed, Report on Water Quality, the Santa Monica Bay Watershed Management Area. Second Edition. November.

Los Angles Regional Water Quality Control Board. 2014. Memorandum of Understanding Between City of Malibu and the Regional Water Quality Control Board, Los Angeles Region and State Water Resources Control Board Regarding Phased Implementation of Basin Plan Amendment Prohibiting On-Site Wastewater Disposal Systems in the Malibu Civic Center Area.

Los Angles Regional Water Quality Control Board. 2015. Waste Discharge Requirements / Water Recycling Requirements for Malibu Civic Center Wastewater Treatment Facility – Phase I & II.

RMC Water. 2015a. Draft Salt Nutrient and Management Plan Malibu Valley Groundwater Basin.

RMC Water. 2015b. Draft Groundwater Management Plan Malibu Valley Groundwater Basin.

Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	1/3/2019	11.47	7.06	4.41
C-1	2/25/2019	11.47	7.70	3.77
C-1	3/21/2019	11.47	7.62	3.85
C-1	4/24/2019	11.47	7.59	3.88
C-1	5/7/2019	11.47	6.73	4.74
C-1	6/7/2019	11.47	6.40	5.07
C-1	7/22/2019	11.47	4.66	6.81
C-1	8/12/2019	11.47	4.89	6.58
C-1	9/13/2019	11.47	5.10	6.37
C-1	10/10/2019	11.47	5.19	6.28
C-1	11/4/2019	11.47	5.35	6.12
C-1	12/19/2019	11.47	7.04	4.43
C-2	1/3/2019	11.19	6.79	4.40
C-2	2/25/2019	11.19	7.50	3.69
C-2	3/21/2019	11.19	6.33	4.86
C-2	4/24/2019	11.19	7.25	3.94
C-2	5/7/2019	11.19	6.49	4.70
C-2	6/7/2019	11.19	6.30	4.89
C-2	7/22/2019	11.19	4.50	6.69
C-2	8/12/2019	11.19	4.71	6.48
C-2	9/13/2019	11.19	4.85	6.34
C-2	10/10/2019	11.19	5.11	6.08
C-2	11/4/2019	11.19	5.25	5.94
C-2	12/19/2019	11.19	7.10	4.09
CCPE	1/3/2019	12.94	10.41	2.53
CCPE	2/25/2019	12.94	11.60	1.34
CCPE	3/21/2019	12.94	8.00	4.94
CCPE	4/24/2019	12.94	10.60	2.34
CCPE	5/7/2019	12.94	9.66	3.28
CCPE	6/7/2019	12.94	7.81	5.13
CCPE	7/22/2019	12.94	4.83	8.11
CCPE	8/12/2019	12.94	5.42	7.52
CCPE	9/13/2019	12.94	5.81	7.13
CCPE	10/10/2019	12.94	5.74	7.20
CCPE	11/4/2019	12.94	5.81	7.13
CCPE	12/19/2019	12.94	8.35	4.59
CCPNE	1/3/2019	13.68	8.63	5.05
CCPNE	2/25/2019	13.68	9.22	4.46
CCPNE	3/21/2019	13.68	8.37	5.31
CCPNE	4/24/2019	13.68	9.32	4.36
CCPNE	5/7/2019	13.68	8.78	4.90
CCPNE	6/7/2019	13.68	8.20	5.48
CCPNE	7/22/2019	13.68	5.52	8.16
CCPNE	8/12/2019	13.68	6.10	7.58
CCPNE	9/13/2019	13.68	6.50	7.18
CCPNE	10/10/2019	13.68	6.40	7.28
CCPNE	11/4/2019	13.68	6.50	7.18
CCPNE	12/19/2019	13.68	8.67	5.01
CCPSW	1/3/2019	13.67	8.60	5.07
CCPSW	2/25/2019	13.67	8.65	5.02
CCPSW	3/21/2019	13.67	8.18	5.49

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPSW	4/24/2019	13.67	8.75	4.92
CCPSW	5/7/2019	13.67	8.25	5.42
CCPSW	6/7/2019	13.67	7.82	5.85
CCPSW	7/22/2019	13.67	4.45	9.22
CCPSW	8/12/2019	13.67	5.88	7.79
CCPSW	9/13/2019	13.67	6.33	7.34
CCPSW	10/10/2019	13.67	6.29	7.38
CCPSW	11/4/2019	13.67	6.35	7.32
CCPSW	12/19/2019	13.67	8.23	5.44
CCW-4	1/3/2019	15.77	6.71	9.06
CCW-4	2/25/2019	15.77	2.83	12.94
CCW-4	3/21/2019	15.77	2.93	12.84
CCW-4	4/24/2019	15.77	4.30	11.47
CCW-4	5/7/2019	15.77	4.62	11.15
CCW-4	6/7/2019	15.77	4.71	11.06
CCW-4	7/22/2019	15.77	5.14	10.63
CCW-4	8/12/2019	15.77	5.13	10.64
CCW-4	9/13/2019	15.77	5.38	10.39
CCW-4	10/10/2019	15.77	5.69	10.08
CCW-4	11/4/2019	15.77	5.94	9.83
CCW-4	12/19/2019	15.77	5.32	10.45
GH6-M1	1/3/2019	-	28.87	-
GH6-M1	2/25/2019	-	28.82	-
GH6-M1	3/21/2019	-	27.61	-
GH6-M1	4/24/2019	-	26.40	-
GH6-M1	5/7/2019	-	25.94	-
GH6-M1	6/7/2019	-	25.50	-
GH6-M1	7/22/2019	-	25.80	-
GH6-M1	8/12/2019	-	26.10	-
GH6-M1	9/13/2019	-	26.35	-
GH6-M1	10/10/2019	-	26.75	-
GH6-M1	11/4/2019	-	27.07	-
GH6-M1	12/19/2019	-	27.54	-
GH8-M3	1/3/2019	-	28.70	-
GH8-M3	2/25/2019	-	27.33	-
GH8-M3	3/21/2019	-	26.15	-
GH8-M3	4/24/2019	-	24.23	-
GH8-M3	5/7/2019	-	23.95	-
GH8-M3	6/7/2019	-	24.02	-
GH8-M3	7/22/2019	-	24.74	-
GH8-M3	8/12/2019	-	25.02	-
GH8-M3	9/13/2019	-	25.51	-
GH8-M3	10/10/2019	-	25.98	-
GH8-M3	11/4/2019	-	26.33	-
GH8-M3	12/19/2019	-	26.80	-
GH9-M4	1/3/2019	-	Buried	-
GH9-M4	2/25/2019	-	Buried	-
GH9-M4	3/21/2019	-	Buried	-
GH9-M4	4/24/2019	-	Buried	-
GH9-M4	5/7/2019	-	Buried	-
GH9-M4	6/7/2019	-	Buried	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
GH9-M4	7/22/2019	-	Buried	-
GH9-M4	8/12/2019	-	Buried	-
GH9-M4	9/13/2019	-	Buried	-
GH9-M4	10/10/2019	-	Buried	-
GH9-M4	11/4/2019	-	Buried	-
GH9-M4	12/19/2019	-	-	-
M6-1	1/3/2019	-	6.71	-
M6-1	2/25/2019	-	3.93	-
M6-1	3/21/2019	-	5.76	-
M6-1	4/24/2019	-	6.29	-
M6-1	5/7/2019	-	6.29	-
M6-1	6/7/2019	-	6.18	-
M6-1	7/22/2019	-	5.47	-
M6-1	8/12/2019	-	5.70	-
M6-1	9/13/2019	-	6.17	-
M6-1	10/10/2019	-	6.12	-
M6-1	11/4/2019	-	6.30	-
M6-1	12/19/2019	-	6.16	-
M6-2	1/3/2019	-	5.44	-
M6-2	2/25/2019	-	5.33	-
M6-2	3/21/2019	-	4.05	-
M6-2	4/24/2019	-	4.51	-
M6-2	5/7/2019	-	4.55	-
M6-2	6/7/2019	-	4.48	-
M6-2	7/22/2019	-	4.61	-
M6-2	8/12/2019	-	4.65	-
M6-2	9/13/2019	-	5.07	-
M6-2	10/10/2019	-	5.08	-
M6-2	11/4/2019	-	5.35	-
M6-2	12/19/2019	-	4.62	-
M7-1	1/3/2019	-	8.68	-
M7-1	2/25/2019	-	6.71	-
M7-1	3/21/2019	-	6.36	-
M7-1	4/24/2019	-	7.00	-
M7-1	5/7/2019	-	6.78	-
M7-1	6/7/2019	-	6.94	-
M7-1	7/22/2019	-	6.90	-
M7-1	8/12/2019	-	7.00	-
M7-1	9/13/2019	-	7.32	-
M7-1	10/10/2019	-	7.35	-
M7-1	11/4/2019	-	7.62	-
M7-1	12/19/2019	-	7.29	-
M7-2	1/3/2019	-	8.17	-
M7-2	2/25/2019	-	5.44	-
M7-2	3/21/2019	-	5.30	-
M7-2	4/24/2019	-	6.05	-
M7-2	5/7/2019	-	5.97	-
M7-2	6/7/2019	-	5.92	-
M7-2	7/22/2019	-	6.45	-
M7-2	8/12/2019	-	6.40	-
M7-2	9/13/2019	-	6.75	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M7-2	10/10/2019	-	6.87	-
M7-2	11/4/2019	-	7.15	-
M7-2	12/19/2019	-	6.49	-
MBCMW-7	1/3/2019	16.64	9.14	7.50
MBCMW-7	2/25/2019	16.64	11.65	4.99
MBCMW-7	3/21/2019	16.64	11.25	5.39
MBCMW-7	4/24/2019	16.64	11.90	4.74
MBCMW-7	5/7/2019	16.64	11.70	4.94
MBCMW-7	6/7/2019	16.64	11.62	5.02
MBCMW-7	7/22/2019	16.64	10.40	6.24
MBCMW-7	8/12/2019	16.64	10.62	6.02
MBCMW-7	9/13/2019	16.64	11.13	5.51
MBCMW-7	10/10/2019	16.64	10.81	5.83
MBCMW-7	11/4/2019	16.64	10.96	5.68
MBCMW-7	12/19/2019	16.64	11.40	5.24
MBCMW-8	1/3/2019	16.53	8.75	7.78
MBCMW-8	2/25/2019	16.53	5.05	11.48
MBCMW-8	3/21/2019	16.53	5.70	10.83
MBCMW-8	4/24/2019	16.53	6.68	9.85
MBCMW-8	5/7/2019	16.53	7.08	9.45
MBCMW-8	6/7/2019	16.53	7.08	9.45
MBCMW-8	7/22/2019	16.53	6.80	9.73
MBCMW-8	8/12/2019	16.53	7.00	9.53
MBCMW-8	9/13/2019	16.53	11.73	4.80
MBCMW-8	10/10/2019	16.53	8.06	8.47
MBCMW-8	11/4/2019	16.53	8.46	8.07
MBCMW-8	12/19/2019	16.53	7.19	9.34
MBCMW-9	1/3/2019	17.71	7.82	9.89
MBCMW-9	2/25/2019	17.71	5.40	12.31
MBCMW-9	3/21/2019	17.71	5.30	12.41
MBCMW-9	4/24/2019	17.71	6.53	11.18
MBCMW-9	5/7/2019	17.71	6.77	10.94
MBCMW-9	6/7/2019	17.71	6.87	10.84
MBCMW-9	7/22/2019	17.71	6.99	10.72
MBCMW-9	8/12/2019	17.71	6.92	10.79
MBCMW-9	9/13/2019	17.71	7.20	10.51
MBCMW-9	10/10/2019	17.71	7.63	10.08
MBCMW-9	11/4/2019	17.71	7.86	9.85
MBCMW-9	12/19/2019	17.71	7.32	10.39
MBCMW-10	1/3/2019	17.74	9.24	8.50
MBCMW-10	2/25/2019	17.74	9.10	8.64
MBCMW-10	3/21/2019	17.74	8.51	9.23
MBCMW-10	4/24/2019	17.74	9.34	8.40
MBCMW-10	5/7/2019	17.74	8.99	8.75
MBCMW-10	6/7/2019	17.74	8.98	8.76
MBCMW-10	7/22/2019	17.74	7.61	10.13
MBCMW-10	8/12/2019	17.74	7.99	9.75
MBCMW-10	9/13/2019	17.74	8.42	9.32
MBCMW-10	10/10/2019	17.74	8.20	9.54
MBCMW-10	11/4/2019	17.74	8.33	9.41
MBCMW-10	12/19/2019	17.74	8.83	8.91

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW04S	1/3/2019	15.29	7.14	8.15
MCWP-MW04S	2/25/2019	15.29	3.70	11.59
MCWP-MW04S	3/21/2019	15.29	4.15	11.14
MCWP-MW04S	4/24/2019	15.29	5.30	9.99
MCWP-MW04S	5/7/2019	15.29	5.66	9.63
MCWP-MW04S	6/7/2019	15.29	5.60	9.69
MCWP-MW04S	7/22/2019	15.29	5.47	9.82
MCWP-MW04S	8/12/2019	15.29	5.68	9.61
MCWP-MW04S	9/13/2019	15.29	6.29	9.00
MCWP-MW04S	10/10/2019	15.29	6.65	8.64
MCWP-MW04S	11/4/2019	15.29	6.96	8.33
MCWP-MW04S	12/19/2019	15.29	5.86	9.43
MCWP-MW07S	1/3/2019	13.72	5.70	8.02
MCWP-MW07S	2/25/2019	13.72	4.85	8.87
MCWP-MW07S	3/21/2019	13.72	4.42	9.30
MCWP-MW07S	4/24/2019	13.72	4.80	8.92
MCWP-MW07S	5/7/2019	13.72	4.80	8.92
MCWP-MW07S	6/7/2019	13.72	4.58	9.14
MCWP-MW07S	7/22/2019	13.72	4.92	8.80
MCWP-MW07S	8/12/2019	13.72	5.25	8.47
MCWP-MW07S	9/13/2019	13.72	5.46	8.26
MCWP-MW07S	10/10/2019	13.72	5.69	8.03
MCWP-MW07S	11/4/2019	13.72	5.98	7.74
MCWP-MW07S	12/19/2019	13.72	5.80	7.92
MCWP-MW08	1/3/2019	12.21	8.76	3.45
MCWP-MW08	2/25/2019	12.21	9.15	3.06
MCWP-MW08	3/21/2019	12.21	4.75	7.46
MCWP-MW08	4/24/2019	12.21	N/A	-
MCWP-MW08	5/7/2019	12.21	8.40	3.81
MCWP-MW08	6/7/2019	12.21	8.18	4.03
MCWP-MW08	7/22/2019	12.21	6.88	5.33
MCWP-MW08	8/12/2019	12.21	7.35	4.86
MCWP-MW08	9/13/2019	12.21	7.50	4.71
MCWP-MW08	10/10/2019	12.21	7.65	4.56
MCWP-MW08	11/4/2019	12.21	7.55	4.66
MCWP-MW08	12/19/2019	12.21	8.58	3.63
MCWP-MW10	1/3/2019	11.11	8.30	2.81
MCWP-MW10	2/25/2019	11.11	8.67	2.44
MCWP-MW10	3/21/2019	11.11	8.07	3.04
MCWP-MW10	4/24/2019	11.11	8.75	2.36
MCWP-MW10	5/7/2019	11.11	8.20	2.91
MCWP-MW10	6/7/2019	11.11	7.60	3.51
MCWP-MW10	7/22/2019	11.11	4.89	6.22
MCWP-MW10	8/12/2019	11.11	5.34	5.77
MCWP-MW10	9/13/2019	11.11	5.83	5.28
MCWP-MW10	10/10/2019	11.11	5.76	5.35
MCWP-MW10	11/4/2019	11.11	5.78	5.33
MCWP-MW10	12/19/2019	11.11	8.09	3.02
P-4	1/3/2019	12.16	7.08	5.08
P-4	2/25/2019	12.16	7.75	4.41
P-4	3/21/2019	12.16	6.91	5.25

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
P-4	4/24/2019	12.16	7.61	4.55
P-4	5/7/2019	12.16	7.06	5.10
P-4	6/7/2019	12.16	6.50	5.66
P-4	7/22/2019	12.16	5.79	6.37
P-4	8/12/2019	12.16	4.28	7.88
P-4	9/13/2019	12.16	4.73	7.43
P-4	10/10/2019	12.16	4.73	7.43
P-4	11/4/2019	12.16	4.73	7.43
P-4	12/19/2019	12.16	7.04	5.12
P-9	1/3/2019	12.17	7.51	4.66
P-9	2/25/2019	12.17	8.33	3.84
P-9	3/21/2019	12.17	7.21	4.96
P-9	4/24/2019	12.17	8.38	3.79
P-9	5/7/2019	12.17	7.65	4.52
P-9	6/7/2019	12.17	7.08	5.09
P-9	7/22/2019	12.17	4.16	8.01
P-9	8/12/2019	12.17	4.67	7.50
P-9	9/13/2019	12.17	5.10	7.07
P-9	10/10/2019	12.17	5.06	7.11
P-9	11/4/2019	12.17	5.12	7.05
P-9	12/19/2019	12.17	7.61	4.56
SMBRP-2	1/3/2019	13.13	9.07	4.06
SMBRP-2	2/25/2019	13.13	9.19	3.94
SMBRP-2	3/21/2019	13.13	8.72	4.41
SMBRP-2	4/24/2019	13.13	9.28	3.85
SMBRP-2	5/7/2019	13.13	8.60	4.53
SMBRP-2	6/7/2019	13.13	8.10	5.03
SMBRP-2	7/22/2019	13.13	5.15	7.98
SMBRP-2	8/12/2019	13.13	5.65	7.48
SMBRP-2	9/13/2019	13.13	6.12	7.01
SMBRP-2	10/10/2019	13.13	6.03	7.10
SMBRP-2	11/4/2019	13.13	6.14	6.99
SMBRP-2	12/19/2019	13.13	8.69	4.44
SMBRP-6	1/3/2019	26.88	15.76	11.12
SMBRP-6	2/25/2019	26.88	14.79	12.09
SMBRP-6	3/21/2019	26.88	14.86	12.02
SMBRP-6	4/24/2019	26.88	15.05	11.83
SMBRP-6	5/7/2019	26.88	15.05	11.83
SMBRP-6	6/7/2019	26.88	15.12	11.76
SMBRP-6	7/22/2019	26.88	15.25	11.63
SMBRP-6	8/12/2019	26.88	15.85	11.03
SMBRP-6	9/13/2019	26.88	17.00	9.88
SMBRP-6	10/10/2019	26.88	16.17	10.71
SMBRP-6	11/4/2019	26.88	16.33	10.55
SMBRP-6	12/19/2019	26.88	14.54	12.34
SMBRP-7B	1/3/2019	18.99	10.72	8.27
SMBRP-7B	2/25/2019	18.99	9.05	9.94
SMBRP-7B	3/21/2019	18.99	9.13	9.86
SMBRP-7B	4/24/2019	18.99	9.82	9.17
SMBRP-7B	5/7/2019	18.99	10.06	8.93
SMBRP-7B	6/7/2019	18.99	10.08	8.91

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-7B	7/22/2019	18.99	9.73	9.26
SMBRP-7B	8/12/2019	18.99	9.70	9.29
SMBRP-7B	9/13/2019	18.99	10.02	8.97
SMBRP-7B	10/10/2019	18.99	10.15	8.84
SMBRP-7B	11/4/2019	18.99	10.33	8.66
SMBRP-7B	12/19/2019	18.99	10.16	8.83
SMBRP-8 (ECI-RC-MW01)	1/3/2019	48.69	29.10	19.59
SMBRP-8 (ECI-RC-MW01)	2/25/2019	48.69	27.51	21.18
SMBRP-8 (ECI-RC-MW01)	3/21/2019	48.69	26.42	22.27
SMBRP-8 (ECI-RC-MW01)	4/24/2019	48.69	25.34	23.35
SMBRP-8 (ECI-RC-MW01)	5/7/2019	48.69	25.05	23.64
SMBRP-8 (ECI-RC-MW01)	6/7/2019	48.69	24.60	24.09
SMBRP-8 (ECI-RC-MW01)	7/22/2019	48.69	24.44	24.25
SMBRP-8 (ECI-RC-MW01)	8/12/2019	48.69	24.77	23.92
SMBRP-8 (ECI-RC-MW01)	9/13/2019	48.69	25.50	23.19
SMBRP-8 (ECI-RC-MW01)	10/10/2019	48.69	26.23	22.46
SMBRP-8 (ECI-RC-MW01)	11/4/2019	48.69	26.80	21.89
SMBRP-8 (ECI-RC-MW01)	12/19/2019	48.69	27.21	21.48
SMBRP-9	1/3/2019	50.32	37.81	12.51
SMBRP-9	2/25/2019	50.32	37.53	12.79
SMBRP-9	3/21/2019	50.32	37.02	13.30
SMBRP-9	4/24/2019	50.32	36.22	14.10
SMBRP-9	5/7/2019	50.32	35.86	14.46
SMBRP-9	6/7/2019	50.32	35.35	14.97
SMBRP-9	7/22/2019	50.32	35.05	15.27
SMBRP-9	8/12/2019	50.32	35.10	15.22
SMBRP-9	9/13/2019	50.32	35.37	14.95
SMBRP-9	10/10/2019	50.32	35.74	14.58
SMBRP-9	11/4/2019	50.32	36.15	14.17
SMBRP-9	12/19/2019	50.32	36.70	13.62
SMBRP-10C	1/3/2019	16.25	6.79	9.46
SMBRP-10C	2/25/2019	16.25	1.60	14.65
SMBRP-10C	3/21/2019	16.25	1.67	14.58
SMBRP-10C	4/24/2019	16.25	3.56	12.69
SMBRP-10C	5/7/2019	16.25	10.06	6.19
SMBRP-10C	6/7/2019	16.25	4.75	11.50
SMBRP-10C	7/22/2019	16.25	5.54	10.71
SMBRP-10C	8/12/2019	16.25	5.86	10.39
SMBRP-10C	9/13/2019	16.25	6.32	9.93
SMBRP-10C	10/10/2019	16.25	6.56	9.69
SMBRP-10C	11/4/2019	16.25	6.74	9.51
SMBRP-10C	12/19/2019	16.25	5.05	11.20
SMBRP-12	1/3/2019	12.62	7.48	5.14
SMBRP-12	2/25/2019	12.62	8.07	4.55
SMBRP-12	3/21/2019	12.62	7.05	5.57
SMBRP-12	4/24/2019	12.62	8.63	3.99
SMBRP-12	5/7/2019	12.62	7.63	4.99
SMBRP-12	6/7/2019	12.62	6.96	5.66
SMBRP-12	7/22/2019	12.62	6.77	5.85
SMBRP-12	8/12/2019	12.62	7.15	5.47
SMBRP-12	9/13/2019	12.62	6.84	5.78

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-12	10/10/2019	12.62	7.29	5.33
SMBRP-12	11/4/2019	12.62	7.47	5.15
SMBRP-12	12/19/2019	12.62	7.30	5.32
SMBRP-13	1/3/2019	13.58	8.20	5.38
SMBRP-13	2/25/2019	13.58	9.70	3.88
SMBRP-13	3/21/2019	13.58	7.61	5.97
SMBRP-13	4/24/2019	13.58	9.00	4.58
SMBRP-13	5/7/2019	13.58	9.70	3.88
SMBRP-13	6/7/2019	13.58	8.08	5.50
SMBRP-13	7/22/2019	13.58	7.68	5.90
SMBRP-13	8/12/2019	13.58	8.28	5.30
SMBRP-13	9/13/2019	13.58	8.16	5.42
SMBRP-13	10/10/2019	13.58	8.50	5.08
SMBRP-13	11/4/2019	13.58	8.37	5.21
SMBRP-13	12/19/2019	13.58	8.51	5.07
SMBRP-15B	1/3/2019	16.77	dry	-
SMBRP-15B	2/25/2019	16.77	dry	-
SMBRP-15B	3/21/2019	16.77	dry	-
SMBRP-15B	4/24/2019	16.77	dry	-
SMBRP-15B	5/7/2019	16.77	dry	-
SMBRP-15B	6/7/2019	16.77	dry	-
SMBRP-15B	7/22/2019	16.77	dry	-
SMBRP-15B	8/12/2019	16.77	dry	-
SMBRP-15B	9/13/2019	16.77	dry	-
SMBRP-15B	10/10/2019	16.77	dry	-
SMBRP-15B	11/4/2019	16.77	dry	-
SMBRP-15B	12/19/2019	16.77	dry	-
SMBRP-16	1/3/2019	14.50	4.74	9.76
SMBRP-16	2/25/2019	14.50	1.65	12.85
SMBRP-16	3/21/2019	14.50	1.80	12.70
SMBRP-16	4/24/2019	14.50	2.60	11.90
SMBRP-16	5/7/2019	14.50	3.04	11.46
SMBRP-16	6/7/2019	14.50	3.11	11.39
SMBRP-16	7/22/2019	14.50	3.21	11.29
SMBRP-16	8/12/2019	14.50	3.37	11.13
SMBRP-16	9/13/2019	14.50	3.91	10.59
SMBRP-16	10/10/2019	14.50	4.04	10.46
SMBRP-16	11/4/2019	14.50	4.50	10.00
SMBRP-16	12/19/2019	14.50	5.30	9.20

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	1/3/2019	17.90	10.95	6.95
MCWP-MW01	2/25/2019	17.90	11.00	6.90
MCWP-MW01	3/21/2019	17.90	9.90	8.00
MCWP-MW01	4/24/2019	17.90	11.02	6.88
MCWP-MW01	5/7/2019	17.90	10.61	7.29
MCWP-MW01	6/7/2019	17.90	10.67	7.23
MCWP-MW01	7/22/2019	17.90	9.30	8.60
MCWP-MW01	8/12/2019	17.90	9.56	8.34
MCWP-MW01	9/13/2019	17.90	9.91	7.99
MCWP-MW01	10/10/2019	17.90	10.02	7.88
MCWP-MW01	11/4/2019	17.90	10.2	7.7
MCWP-MW01	12/19/2019	17.90	10.54	7.36
MCWP-MW02	1/3/2019	18.06	11.18	6.88
MCWP-MW02	2/25/2019	18.06	12.38	5.68
MCWP-MW02	3/21/2019	18.06	12.1	5.96
MCWP-MW02	4/24/2019	18.06	12.6	5.46
MCWP-MW02	5/7/2019	18.06	12.1	5.96
MCWP-MW02	6/7/2019	18.06	11.79	6.27
MCWP-MW02	7/22/2019	18.06	9.83	8.23
MCWP-MW02	8/12/2019	18.06	10.25	7.81
MCWP-MW02	9/13/2019	18.06	10.62	7.44
MCWP-MW02	10/10/2019	18.06	10.15	7.91
MCWP-MW02	11/4/2019	18.06	10.23	7.83
MCWP-MW02	12/19/2019	18.06	12.02	6.04
MCWP-MW03	1/3/2019	15.31	8.78	6.53
MCWP-MW03	2/25/2019	15.31	8.3	7.01
MCWP-MW03	3/21/2019	15.31	8.21	7.10
MCWP-MW03	4/24/2019	15.31	N/A	-
MCWP-MW03	5/7/2019	15.31	7.82	7.49
MCWP-MW03	6/7/2019	15.31	7.7	7.61
MCWP-MW03	7/22/2019	15.31	6.58	8.73
MCWP-MW03	8/12/2019	15.31	7.35	7.96
MCWP-MW03	9/13/2019	15.31	7.8	7.51
MCWP-MW03	10/10/2019	15.31	7.73	7.58
MCWP-MW03	11/4/2019	15.31	7.76	7.55
MCWP-MW03	12/19/2019	15.31	7.76	7.55
MCWP-MW04D	1/3/2019	15.43	10.18	5.25
MCWP-MW04D	2/25/2019	15.43	10.17	5.26
MCWP-MW04D	3/21/2019	15.43	9.09	6.34
MCWP-MW04D	4/24/2019	15.43	10.27	5.16
MCWP-MW04D	5/7/2019	15.43	9.79	5.64
MCWP-MW04D	6/7/2019	15.43	9.78	5.65
MCWP-MW04D	7/22/2019	15.43	8.51	6.92
MCWP-MW04D	8/12/2019	15.43	8.72	6.71
MCWP-MW04D	9/13/2019	15.43	9.12	6.31
MCWP-MW04D	10/10/2019	15.43	9.18	6.25
MCWP-MW04D	11/4/2019	15.43	9.81	5.62
MCWP-MW04D	12/19/2019	15.43	9.72	5.71
MCWP-MW05	1/3/2019	13.92	8.29	5.63
MCWP-MW05	2/25/2019	13.92	8.1	5.82
MCWP-MW05	3/21/2019	13.92	7.55	6.37

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW05	4/24/2019	13.92	8.34	5.58
MCWP-MW05	5/7/2019	13.92	8.02	5.9
MCWP-MW05	6/7/2019	13.92	7.95	5.97
MCWP-MW05	7/22/2019	13.92	6.65	7.27
MCWP-MW05	8/12/2019	13.92	7.08	6.84
MCWP-MW05	9/13/2019	13.92	7.51	6.41
MCWP-MW05	10/10/2019	13.92	7.35	6.57
MCWP-MW05	11/4/2019	13.92	7.40	6.52
MCWP-MW05	12/19/2019	13.92	7.88	6.04
MCWP-MW06	1/3/2019	16.05	10.72	5.33
MCWP-MW06	2/25/2019	16.05	10.37	5.68
MCWP-MW06	3/21/2019	16.05	10.09	5.96
MCWP-MW06	4/24/2019	16.05	10.46	5.59
MCWP-MW06	5/7/2019	16.05	10.28	5.77
MCWP-MW06	6/7/2019	16.05	10.00	6.05
MCWP-MW06	7/22/2019	16.05	8.80	7.25
MCWP-MW06	8/12/2019	16.05	9.30	6.75
MCWP-MW06	9/13/2019	16.05	9.82	6.23
MCWP-MW06	10/10/2019	16.05	9.63	6.42
MCWP-MW06	11/4/2019	16.05	9.57	6.48
MCWP-MW06	12/19/2019	16.05	10.1	5.95
MCWP-MW07D	1/3/2019	13.21	8.71	4.50
MCWP-MW07D	2/25/2019	13.21	8.2	5.01
MCWP-MW07D	3/21/2019	13.21	5.3	7.91
MCWP-MW07D	4/24/2019	13.21	N/A	-
MCWP-MW07D	5/7/2019	13.21	7.67	5.54
MCWP-MW07D	6/7/2019	13.21	7.62	5.59
MCWP-MW07D	7/22/2019	13.21	6.50	6.71
MCWP-MW07D	8/12/2019	13.21	7.25	5.96
MCWP-MW07D	9/13/2019	13.21	7.70	5.51
MCWP-MW07D	10/10/2019	13.21	7.59	5.62
MCWP-MW07D	11/4/2019	13.21	7.61	5.60
MCWP-MW07D	12/19/2019	13.21	7.65	5.56
MCWP-MW09	1/3/2019	16.30	6.67	9.63
MCWP-MW09	2/25/2019	16.30	6.60	9.70
MCWP-MW09	3/21/2019	16.30	6.35	9.95
MCWP-MW09	4/24/2019	16.30	6.55	9.75
MCWP-MW09	5/7/2019	16.30	6.25	10.05
MCWP-MW09	6/7/2019	16.30	6.08	10.22
MCWP-MW09	7/22/2019	16.30	4.91	11.39
MCWP-MW09	8/12/2019	16.30	5.50	10.80
MCWP-MW09	9/13/2019	16.30	5.77	10.53
MCWP-MW09	10/10/2019	16.30	5.75	10.55
MCWP-MW09	11/4/2019	16.30	5.80	10.50
MCWP-MW09	12/19/2019	16.30	6.19	10.11

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	1/3/2019	104.55	51.63	52.92
LAMW-5S	2/25/2019	104.55	47.48	57.07
LAMW-5S	3/21/2019	104.55	45.90	58.65
LAMW-5S	4/24/2019	104.55	46.75	57.80
LAMW-5S	5/7/2019	104.55	47.09	57.46
LAMW-5S	6/7/2019	104.55	47.86	56.69
LAMW-5S	7/22/2019	104.55	49.58	54.97
LAMW-5S	8/12/2019	104.55	50.40	54.15
LAMW-5S	9/13/2019	104.55	50.55	54.00
LAMW-5S	10/10/2019	104.55	51.10	53.45
LAMW-5S	11/4/2019	104.55	52.48	52.07
LAMW-5S	12/19/2019	104.55	52.86	51.69
SMBRP-11	1/3/2019	18.35	8.42	9.93
SMBRP-11	2/25/2019	18.35	7.74	10.61
SMBRP-11	3/21/2019	18.35	7.31	11.04
SMBRP-11	4/24/2019	18.35	7.84	10.51
SMBRP-11	5/7/2019	18.35	7.84	10.51
SMBRP-11	6/7/2019	18.35	7.58	10.77
SMBRP-11	7/22/2019	18.35	7.93	10.42
SMBRP-11	8/12/2019	18.35	8.20	10.15
SMBRP-11	9/13/2019	18.35	8.32	10.03
SMBRP-11	10/10/2019	18.35	8.56	9.79
SMBRP-11	11/4/2019	18.35	8.70	9.65
SMBRP-11	12/19/2019	18.35	8.59	9.76

TOC: top of well casing
ft bTOC: feet below top of well casing
TOC elevation referenced to NAVD88

Table 2
Long-Term Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
General Chemistry (Long-Term sampled quarterly, SNMP and MOU sampled semi-annually)																
General Chemistry (pH, Total Dissolved Solids, Sulfate, Chloride, Boron, Methylene Blue Active Substances [MBAS]/Foaming Agents)	✓	✓ (TDS only)	✓	✓	✓	✓ (TDS only)	✓ (TDS only)	✓	✓	✓ (TDS only)	✓ (TDS only)	✓	✓	✓	✓ (TDS only)	✓ (TDS only)
Biological Oxygen Demand (BOD)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Turbidity (includes color and odor)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Total Suspended Solids	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Residual Chlorine	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Organic Carbon	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Oil and Grease	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Nitrate and Nitrite as Nitrogen (calculation)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Organic Nitrogen (calculation)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Total Nitrogen (includes TKN)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, mercury, nickel, selenium, thallium)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Asbestos	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Cyanide	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Perchlorate	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Fluoride	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Combined Radium-226 and Radium-228	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Gross Alpha and Beta Particle Activity	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Tritium	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Strontium-90	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Uranium	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Volatile Organic Compounds (EPA Method 524.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB) (EPA Method 504.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Table 2
Long-Term Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Chlordane, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, Polychlorinated Biphenyls, Toxaphene (EPA Method 505)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Alachlor, Atrazine, Simazine (EPA Method 507)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Bentazon, 2,4-D, Dalapon, Dinoseb, Pentachlorophenol, Picloram, 2,4,5-TP (Silvex) (EPA Method 515.3)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Benzo(a)pyrene, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate, Molinate, Thiobencarb (EPA Method 525.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Carbofuran, Oxamyl (EPA Method 531.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Glyphosate (EPA Method 547)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Endothall (EPA Method 548.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Diquat (EPA Method 549.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
2,3,7,8-TCDD (Dioxin) (EPA Method 1613)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Trihalomethanes	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Haloacetic Acids	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Bromate	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Chlorite	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Metals (aluminum, copper, iron, manganese, silver, zinc) (included in metals above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Color and Odor (included in turbidity above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Foam agents (MBAS) (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Methyl-tert-butyl ether (MTBE) (included in VOCs above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Thiobencarb (included in EPA Method 525.2 above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Constituents of Emerging Concern in Attachment C of MRP CI 10042 (Long-Term sampled annually)																
17β-Estradiol	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Caffeine	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
n-Nitrosodimethylamine (NDMA)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Triclosan	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
n,n-Diethyl-meta-toluamide (DEET)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Sucralose	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Table 2
Long-Term Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
Priority Pollutants listed in Attachment D of MRP CI 10042 (Long-Term sampled annually)																
Metals (antimony, arsenic, barium, beryllium, cadmium, chromium (III), copper, lead, mercury, nickel, selenium, silver, thallium, zinc) (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Chromium VI	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Cyanide (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Asbestos (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
2,3,7,8-TCDD (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Volatile Organic Compounds (EPA Method 624)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Semivolatile Organic Compounds (EPA Method 625)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Pesticides (EPA Method 625)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Polychlorinated Biphenyls (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Surface Water	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring
Laboratory Analysis (quarterly)	*N-001*	*N-002*	*N-003*	*N-004*	*L-001*	*L-002*	*L-003*	*L-004*	*L-005*	*L-006*
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Organic Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes:
✓: Laboratory analysis completed
- : Sampling & analysis not required
[1]: TY-MW-1 was replaced by SMBRP-11 per LARWQCB correspondence with City of Malibu dated May 18, 2018

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
NearShore	Ankle Depth	N-001	2/26/2019	= **41**	< 1	< 0.1	< 20	< 0.5	< 0.1	< 0.4	< 20.5	= **0.026**
Near Shore	Ankle Depth	N-001	5/8/2019	= **100**	= **1.0**	< 0.600	< 0.900	< 0.040	< 0.010	= **0.054**	= **1.554**	= **0.198**
Near Shore	Ankle Depth	N-001	8/13/2019	> **2400**	< 1	< 0.600	< 0.900	< 0.040	= **0.098**	< 0.052	< 0.030	= **0.088**
Near Shore	Ankle Depth	N-001	11/6/2019	= **2000**	< 1	< 0.012	< 0.900	= **0.060**	< 0.010	= **0.056**	= **0.056**	= **0.039**
NearShore	AnkleDepth	N-002	2/26/2019	= **58**	< 1	< 0.1	< 20	< 0.5	< 0.1	< 0.4	< 20.5	= **0.203**
Near Shore	Ankle Depth	N-002	5/8/2019	= **650**	= **6.3**	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	= **1.552**	= **0.105**
Near Shore	Ankle Depth	N-002	8/13/2019	> **2400**	= **2.0**	< 0.600	< 0.900	< 0.040	= **0.038**	< 0.052	< 0.030	= **0.130**
Near Shore	Ankle Depth	N-002	11/6/2019	= **2000**	< 1	< 0.012	< 0.900	= **0.120**	< 0.010	= **0.124**	= **0.124**	= **0.024**
NearShore	AnkleDepth	N-003	2/26/2019	= **280**	< 1	< 0.1	< 20	< 0.5	< 0.1	< 0.4	< 20.5	< 0.02
Near Shore	Ankle Depth	N-003	5/8/2019	= **770**	= **1**	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	= **1.552**	= **0.060**
Near Shore	Ankle Depth	N-003	8/13/2019	> **2400**	= **24**	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.866**
Near Shore	Ankle Depth	N-003	11/6/2019	> **2400**	= **32**	< 0.012	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.068**
NearShore	Ankle Depth	N-004	2/26/2019	= **650**	< 1	< 0.1	< 20	= **0.12**	< 0.1	= **0.12**	= **20.2**	< 0.02
Near Shore	Ankle Depth	N-004	5/8/2019	= **870**	< 1	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	= **1.552**	= **0.152**
Near Shore	Ankle Depth	N-004	8/13/2019	= **2000**	< 1	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.045**
Near Shore	Ankle Depth	N-004	11/6/2019	= **2000**	< 1	< 0.012	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.022**
Malibu Lagoon and Creek	1 foot BSW	L-001	2/26/2019	> **2,400**	= **63**	= **4.73**	< 0.1	= **0.49**	< 0.1	= **0.493**	= **5.3**	= **0.493**
Malibu Lagoon and Creek	1 foot BSW	L-001	5/8/2019	= **2,000**	= **30**	= **0.160**	< 0.018	= **0.300**	< 0.010	= **0.295**	= **0.473**	= **0.253**
Malibu Lagoon and Creek	1 foot BSW	L-001	8/13/2019	> **2,400**	= **520**	< 0.012	< 0.360	< 0.040	= **0.021**	< 0.052	< 0.030	= **0.266**
Malibu Lagoon and Creek	1 foot BSW	L-001	11/6/2019	> **2,400**	= **100**	< 0.012	< 0.180	= **0.580**	< 0.010	= **0.582**	= **0.582**	= **0.132**
Malibu Lagoon and Creek	1 foot BSW	L-002	2/26/2019	> **2,400**	= **64**	= **4.40**	< 0.1	= **0.30**	< 0.1	= **0.299**	= **4.8**	= **0.424**
Malibu Lagoon and Creek	1 foot BSW	L-002	5/8/2019	> **2,400**	= **29**	= **0.360**	< 0.180	= **0.270**	< 0.010	= **0.266**	= **0.806**	= **0.255**
Malibu Lagoon and Creek	1 foot BSW	L-002	8/13/2019	> **2,400**	= **29**	< 0.012	< 0.360	= **0.320**	< 0.010	= **0.324**	= **0.324**	= **0.110**
Malibu Lagoon and Creek	1 foot BSW	L-002	11/6/2019	> **2,400**	= **230**	= **0.130**	< 0.180	= **0.500**	< 0.010	= **0.498**	= **0.628**	= **0.121**
Malibu Lagoon and Creek	1 foot BSW	L-003	2/26/2019	> **2,400**	= **30**	= **3.45**	< 0.1	= **0.79**	< 0.1	= **0.790**	= **4.3**	= **0.425**
Malibu Lagoon and Creek	1 foot BSW	L-003	5/8/2019	> **2,400**	= **30**	= **0.150**	< 0.180	= **0.550**	< 0.010	= **0.548**	= **0.878**	= **0.245**
Malibu Lagoon and Creek	1 foot BSW	L-003	8/13/2019	> **2,400**	= **170**	< 0.012	< 0.360	= **0.070**	< 0.010	= **0.066**	= **0.066**	= **0.092**
Malibu Lagoon and Creek	1 foot BSW	L-003	11/6/2019	> **2,400**	= **520**	< 0.012	< 0.180	= **0.690**	< 0.010	= **0.692**	= **0.692**	= **0.108**
Malibu Lagoon and Creek	1 foot BSW	L-004	2/26/2019	> **2,400**	= **88**	= **4.04**	< 0.1	= **0.54**	< 0.1	= **0.542**	= **4.7**	= **0.468**
Malibu Lagoon and Creek	1 foot BSW	L-004	5/8/2019	> **2,400**	= **61**	= **0.060**	< 0.360	= **0.370**	< 0.010	= **0.370**	= **0.790**	= **0.153**
Malibu Lagoon and Creek	1 foot BSW	L-004	8/13/2019	> **2,400**	= **96**	< 0.012	< 0.360	= **0.520**	= **0.020**	= **0.538**	= **0.538**	= **0.079**
Malibu Lagoon and Creek	1 foot BSW	L-004	11/6/2019	> **2,400**	= **360**	< 0.012	< 0.180	= **1.220**	< 0.010	= **1.200**	= **1.220**	= **0.135**
Malibu Lagoon and Creek	1 foot BSW	L-005	2/26/2019	> **2,400**	= **260**	= **3.43**	< 0.1	= **0.59**	< 0.1	= **0.587**	= **4.1**	= **0.343**
Malibu Lagoon and Creek	1 foot BSW	L-005	5/8/2019	> **2,400**	= **56**	= **0.200**	< 0.180	= **0.210**	< 0.010	= **0.208**	= **0.588**	= **0.242**
Malibu Lagoon and Creek	1 foot BSW	L-005	8/13/2019	> **2,400**	= **250**	< 0.012	< 0.360	= **0.440**	= **0.070**	= **0.507**	= **0.507**	= **0.051**
Malibu Lagoon and Creek	1 foot BSW	L-005	11/6/2019	< 1	< 1	< 0.012	< 0.180	= **0.750**	< 0.010	= **0.748**	= **0.748**	= **0.095**
Malibu Lagoon and Creek	1 foot BSW	L-006	2/26/2019	> **2,400**	= **210**	= **0.05**	< 0.1	= **3.1**	< 0.1	= **3.1**	= **3.3**	= **0.460**
Malibu Lagoon and Creek	1 foot BSW	L-006	5/8/2019	> **2,400**	= **1300**	= **0.070**	< 0.360	= **3.700**	< 0.010	= **3.700**	= **4.130**	= **0.631**
Malibu Lagoon and Creek	1 foot BSW	L-006	8/13/2019	> **2,400**	= **580**	< 0.012	< 0.360	= **0.930**	= **0.017**	= **0.950**	= **0.950**	= **0.081**

| | | |

Table 4
Groundwater Analytical Results

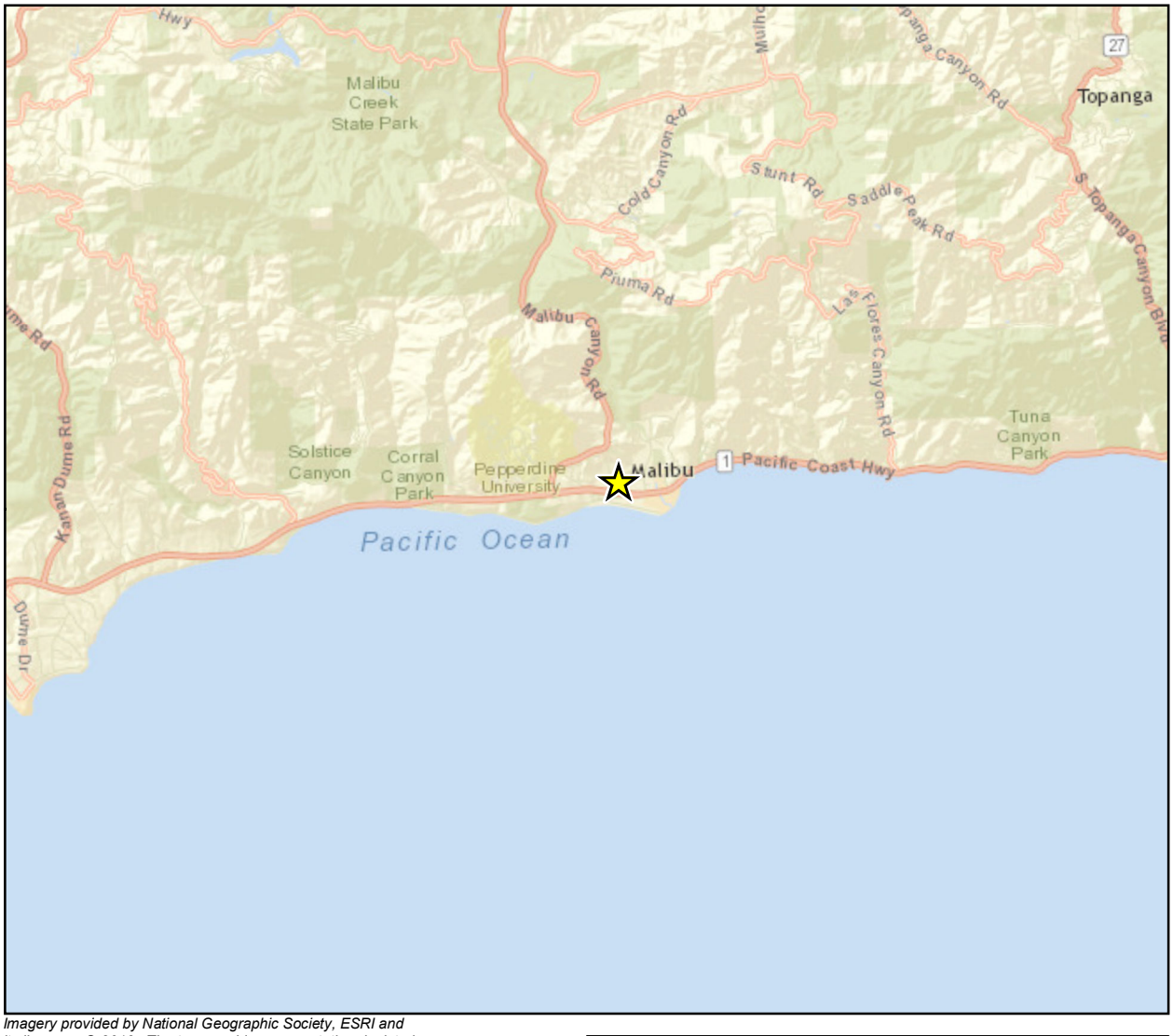
			Coliform Bacteria (MPN/100mL)		**Inorganic Analyses** (mg/L)											
Well ID	**Well Depth (ft. bgs)**	**Sample Date**	Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
LAMW-5S	73	2/26/19	> **2,400**	< 1	= **14.2**	< 0.1	= **14.2**	= **0.06**	< 0.1	= **0.059**	= **14.3**	= **3.88**	= **0.234**	= **131**	= **626**	= **100**
LAMW-5S	73	5/8/19	= **11**	= **2**	= **6.19**	< 0.018	= **6.19**	= **0.22**	< 0.01	= **0.215**	= **6.4**	= **1.8**	= **0.282**	= **95.2**	= **570**	= **105**
LAMW-5S	73	8/13/19	> **2,400**	= **1**	= **10.9**	< 0.018	= **10.9**	= **0.45**	= **0.081**	= **0.527**	= **11.4**	= **2.26**	= **2.26**	= **88.6**	= **582**	= **102**
LAMW-5S	73	11/5/19	= **330**	= **2**	= **4.97**	< 0.018	= **4.97**	= **0.74**	< 0.01	= **0.743**	= **5.71**	= **1.84**	= **0.267**	= **81.5**	= **496**	= **112**
SMBRP-7B	25	2/28/19	= **190**	= **4.1**	= **2.92**	< 0.1	-	= **0.08**	< 0.1	= **0.077**	-	= **0.204**	-	-	= **1,950**	= **-**
SMBRP-7B	25	8/15/19	= **99**	= **11**	= **2.74**	< 0.018	= **2.74**	= **0.53**	= **0.102**	= **0.631**	-	= **0.25**	-	-	= **2,760**	= **-**
SMBRP-9	45	2/26/19	= **730**	< 1	= **1.96**	< 0.1	= **1.96**	= **0.61**	< 0.1	= **0.612**	= **2.57**	= **0.019**	= **0.550**	= **234**	= **1,330**	= **116**
SMBRP-9	45	5/8/19	= **1,700**	= **20**	= **12.7**	< 0.018	= **12.7**	= **0.09**	< 0.01	= **0.086**	= **12.8**	= **0.052**	= **0.582**	= **370**	= **1,770**	= **250**
SMBRP-9	45	8/13/19	= **13**	< 1	= **9.19**	< 0.018	= **9.19**	= **0.34**	= **0.016**	= **0.359**	= **9.55**	= **0.087**	= **0.671**	= **315**	= **1,540**	= **190**
SMBRP-9	45	11/5/19	= **33**	= **6.3**	= **1.4**	< 0.018	= **1.4**	= **0.66**	< 0.01	= **0.657**	= **2.06**	= **0.025**	= **0.559**	= **176**	= **1,020**	= **105**
SMBRP-11	20	2/26/19	= **520**	< 1	= **7.62**	< 0.1	= **7.62**	= **0.68**	= **0.915**	= **1.60**	= **9.22**	= **0.036**	= **0.531**	= **252**	= **1,070**	= **205**
SMBRP-11	20	5/8/19	= **580**	= **260**	= **6.54**	= **0.06**	= **6.6**	= **0.66**	= **0.324**	= **0.980**	= **7.58**	= **0.46**	= **0.506**	= **261**	= **1,400**	= **264**
SMBRP-11	20	8/13/19	= **86**	= **2**	= **2.88**	< 0.018	= **2.88**	= **0.29**	= **1.21**	= **1.50**	= **4.38**	= **0.295**	= **0.802**	= **243**	= **1,140**	= **232**
SMBRP-11	20	11/5/19	= **19**	< 1	= **3.01**	< 0.018	= **3.01**	= **3.00**	= **1.5**	= **3.00**	= **6.01**	= **0.032**	= **0.614**	= **389**	= **1,210**	= **297**
SMBRP-12	25	2/26/19	= **51**	< 1	= **0.09**	< 0.1	= **0.09**	= **1.60**	= **11.4**	= **13**	= **13.1**	= **0.334**	= **0.774**	= **381**	= **1,690**	= **338**
SMBRP-12	25	5/8/19	= **2,400**	= **2,000**	= **0.11**	< 0.018	= **0.11**	= **1.20**	= **10.8**	= **12**	= **12.1**	= **2.5**	= **0.581**	= **394**	= **1,200**	= **364**
SMBRP-12	25	8/14/19	= **1**	< 1	< 0.012	< 0.018	< 0.018	= **0.51**	= **6.39**	= **6.9**	= **6.9**	= **1.74**	= **0.929**	-	= **1,740**	= **401**
SMBRP-12	25	11/6/19	= **290**	< 1	< 0.012	< 0.018	= **-**	= **34.60**	= **5.35**	= **40**	= **40**	= **1.215**	= **0.756**	= **399**	= **1,510**	= **406**
SMBRP-13	19	2/26/19	= **14**	= **4.1**	= **0.11**	< 0.1	= **0.11**	= **0.48**	= **0.392**	= **0.867**	-	= **2.38**	-	-	= **2,530**	= **-**
SMBRP-13	19	8/15/19	= **1**	< 1	< 0.012	< 0.018	< 0.018	= **0.23**	= **0.292**	= **0.526**	-	= **0.246**	-	-	= **3,950**	= **-**
MBCMW-9	9	2/28/19	> **2,400**	= **1,700**	= **0.05**	< 0.1	-	= **1.20**	< 0.1	= **1.2**	-	= **0.317**	-	-	= **4,350**	= **-**
MBCMW-9	9	8/15/19	= **17**	= **2**	= **0.21**	< 0.018	= **0.21**	= **0.53**	= **0.018**	= **0.545**	-	= **0.435**	-	-	= **6,150**	= **-**
MCWP-MW04S	20	2/26/19	= **16**	< 1	= **3.61**	< 0.1	= **3.61**	= **0.94**	< 0.1	= **0.939**	= **4.55**	= **0.378**	= **1.64**	= **2,620**	= **5,930**	= **877**
MCWP-MW04S	20	5/8/19	= **260**	< 1	= **2.95**	< 0.018	= **2.95**	= **0.23**	= **0.31**	= **0.541**	= **3.49**	= **0.36**	= **1.48**	= **2,360**	= **5,150**	= **719**
MCWP-MW04S	20	8/13/19	= **13**	< 1	= **1.74**	< 0.018	= **1.74**	= **0.87**	= **0.054**	= **0.923**	= **2.66**	= **0.335**	= **1.61**	= **2,510**	= **5,710**	= **578**
MCWP-MW04S	20	11/5/19	= **25**	< 1	= **1.41**	< 0.018	= **1.41**	= **1.20**	< 0.01	= **1.2**	= **2.61**	= **0.32**	= **1.6**	= **2,550**	= **5,050**	= **606**
MCWP-MW04D	148	2/27/19	< 1	< 1	= **1.72**	< 0.1	= **1.72**	< 0.50	< 0.1	< 0.40	= **1.72**	= **0.069**	= **0.798**	= **555**	= **1,630**	= **249**
MCWP-MW04D	148	5/9/19	= **130**	< 1	= **1.46**	< 0.018	= **1.46**	= **0.10**	< 0.01	= **0.10**	= **1.56**	= **0.177**	= **0.6**	= **458**	= **1,270**	= **176**
MCWP-MW04D	148	8/13/19	= **2**	< 2	= **1.59**	< 0.018	= **1.59**	= **0.13**	< 0.01	= **0.13**	= **1.72**	= **0.07**	= **0.878**	= **530**	= **1,540**	= **228**
MCWP-MW04D	148	11/7/19	< 1	< 1	= **1.61**	< 0.018	= **--**	< 0.04	< 0.01	< 0.05	= **--**	= **0.071**	= **0.827**	= **515**	= **1,490**	= **258**
MCWP-MW05	154	2/28/19	-	-	= **1.97**	-	-	-	-	-	-	-	-	-	= **1,220**	= **-**
MCWP-MW05	154	8/15/19	-	-	= **1.95**	< 0.018	= **1.95**	-	-	-	-	-	-	-	= **1,350**	= **-**
MCWP-MW06	138	2/27/19	-	-	= **4.25**	-	-	-	-	-	-	-	-	-	= **1,300**	= **-**
MCWP-MW06	138	8/15/19	-	-	= **0.1**	< 0.018	= **0.1**	-	-	-	-	-	-	-	= **1,470**	= **-**
MCWP-MW07S	20	2/26/19	= **550**	= **11**	= **4.47**	< 0.1	= **4.47**	= **0.69**	= **0.015**	= **0.707**	= **5.18**	= **0.351**	= **0.352**	= **249**	= **1,150**	= **181**
MCWP-MW07S	20	5/8/19	= **550**	= **280**	= **4.25**	< 0.018	= **4.25**	= **0.58**	= **0.052**	= **0.631**	= **4.88**	= **0.391**	= **0.382**	= **246**	= **1,150**	= **204**
MCWP-MW07S	20	8/14/19	= **35**	< 1	= **2.83**	< 0.018	= **2.83**	= **0.06**	= **0.329**	= **0.389**	= **3.22**	= **0.065**	= **0.432**	-	= **1,080**	= **208**
MCWP-MW07S	20	11/6/19	= **2,000**	< 1	= **5.03**	< 0.018	= **-**	< 0.04	= **0.149**	= **0.155**	= **5.18**	= **0.146**	= **0.333**	= **278**	= **1,040**	= **208**
MCWP-MW07D	130	2/26/19	> **2,400**	= **50**	= **0.75**	< 0.1	= **0.75**	= **0.84**	< 0.1	= **0.837**	= **1.59**	= **0.290**	= **0.094**	= **47.6**	= **238**	= **18.4**

Table 4
Groundwater Analytical Results

			Coliform Bacteria (MPN/100mL)		**Inorganic Analyses** (mg/L)											
Well ID	**Well Depth (ft. bgs)**	**Sample Date**	Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
MCWP-MW07D	130	5/8/19	> **2,400**	= **32**	= **0.1**	< 0.018	= **0.1**	= **0.61**	< 0.01	= **0.606**	= **0.71**	= **0.041**	= **0.062**	= **21.4**	= **78**	= **6.33**
MCWP-MW07D	130	8/14/19	= **7.4**	< 1	= **0.1**	< 0.018	= **0.1**	= **0.09**	= **0.172**	= **0.26**	= **0.36**	= **0.126**	= **0.597**	-	= **2,240**	= **349**
MCWP-MW07D	130	11/6/19	= **1,300**	< 1	= **0.43**	< 0.018	= **-**	= **2.06**	= **0.242**	= **2.3**	= **2.73**	= **0.284**	= **0.109**	= **120**	= **308**	= **79.8**
MCWP-MW09	95	2/26/19	= **64**	= **1**	= **1.2**	< 0.1	= **1.2**	= **0.17**	= **0.713**	= **0.886**	= **2.09**	= **0.321**	= **0.703**	= **463**	= **1,800**	= **408**
MCWP-MW09	95	5/8/19	= **360**	= **4.1**	= **0.34**	< 0.018	= **0.34**	= **0.57**	= **0.43**	= **1**	= **1.34**	= **0.046**	= **0.375**	= **451**	= **1,480**	= **399**
MCWP-MW09	95	8/14/19	= **4.1**	< 1	< 0.012	< 0.018	< 0.018	= **0.05**	= **1.95**	= **2**	= **2**	= **0.233**	= **0.874**	-	= **1,900**	= **509**
MCWP-MW09	95	11/6/19	= **180**	< 1	= **0.18**	< 0.018	= **-**	= **0.85**	= **1.05**	= **1.9**	= **2.08**	= **0.287**	= **0.626**	= **498**	= **1,710**	= **463**
MCWP-MW10	22	2/27/19	> **2,400**	= **5.2**	= **1.12**	< 0.1	= **1.12**	= **0.50**	< 0.1	= **0.502**	-	= **0.379**	-	-	= **2,060**	= **-**
MCWP-MW10	22	8/15/19	= **4,000**	< 2	= **0.26**	-	-	< 0.04	< 0.01	< 0.052	-	= **0.058**	-	-	= **1,830**	= **-**
CCPE	52	2/27/19	= **1,400**	= **580**	= **1.1**	< 0.1	= **1.1**	= **1.30**	< 0.1	= **1.3**	-	= **0.240**	-	-	= **672**	= **-**
CCPE	52	8/15/19	> **2,400**	= **60**	= **0.31**	< 0.018	= **0.31**	= **1.60**	= **2.9**	= **4.5**	-	= **0.706**	-	-	= **976**	= **-**

Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
mg/L: Milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliter
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit

Figures



Imagery provided by National Geographic Society, ESRI and its licensors © 2016. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.



Project Location

N

0 1 2

Miles

Vicinity Map

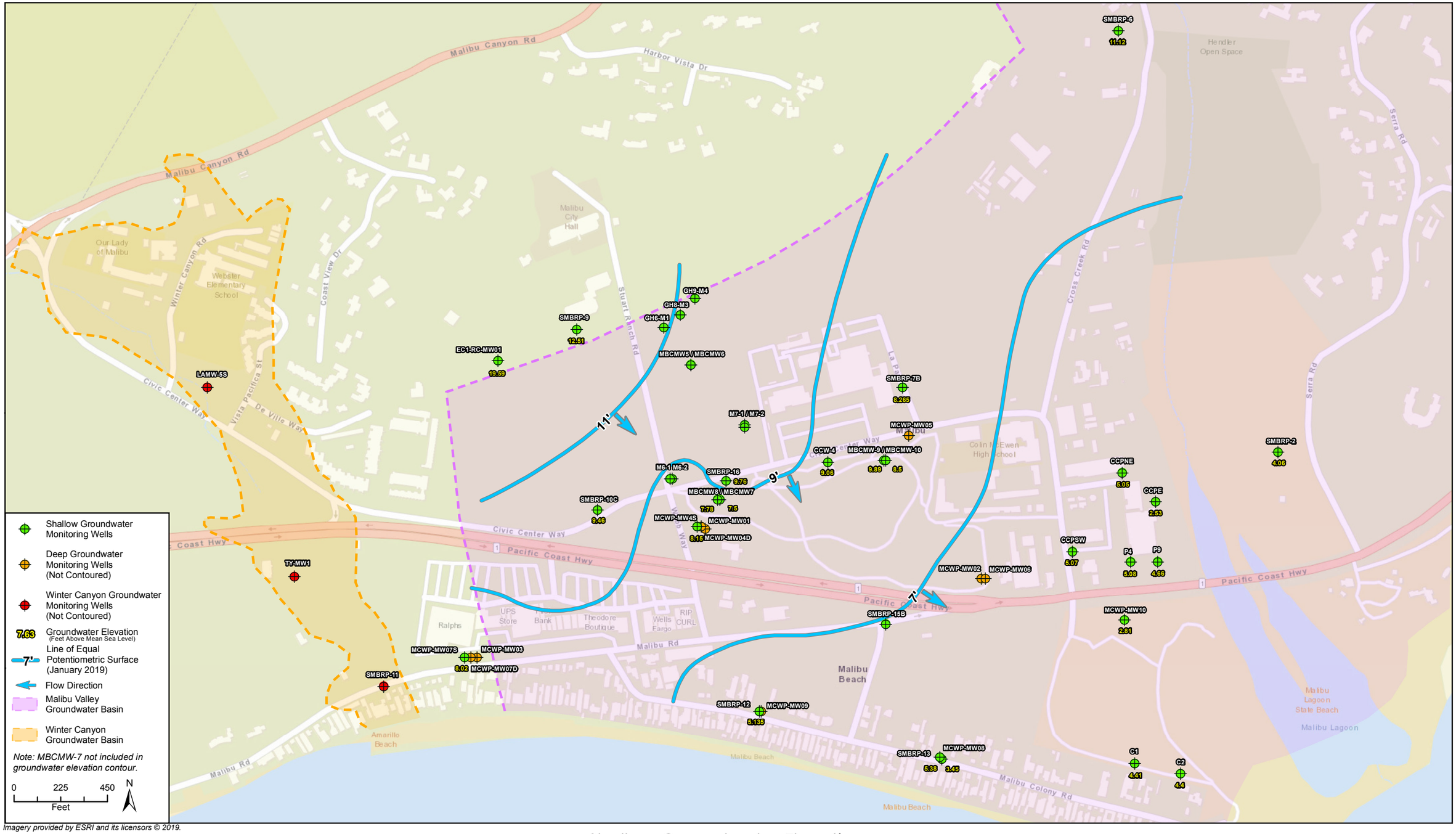
Figure 1



Imagery provided by Google and its licensors © 2018.

Site Map - Civic Center Area

Figure 2

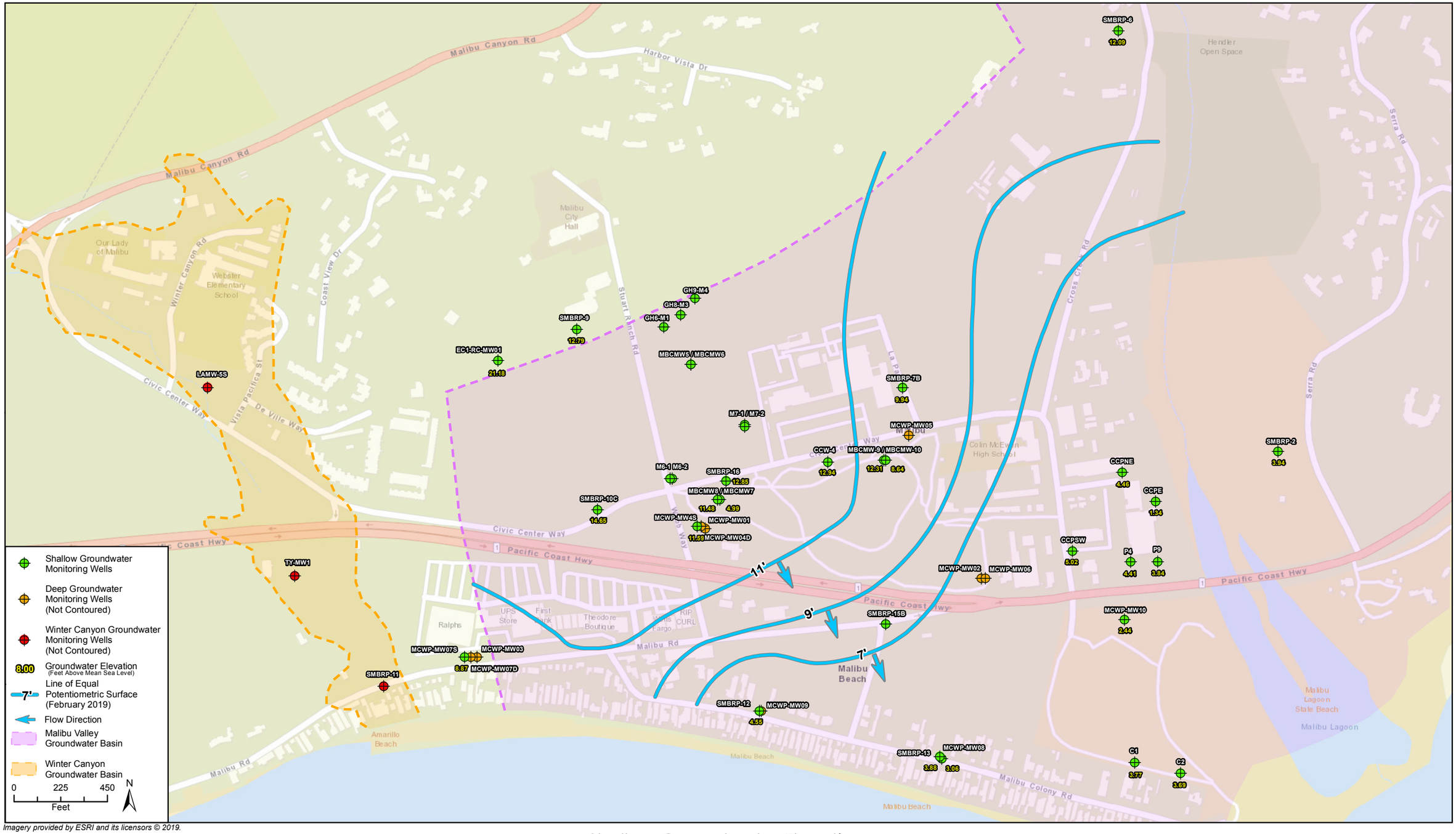


Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
January 2019

Figure 3a

Rincon Consultants Inc.

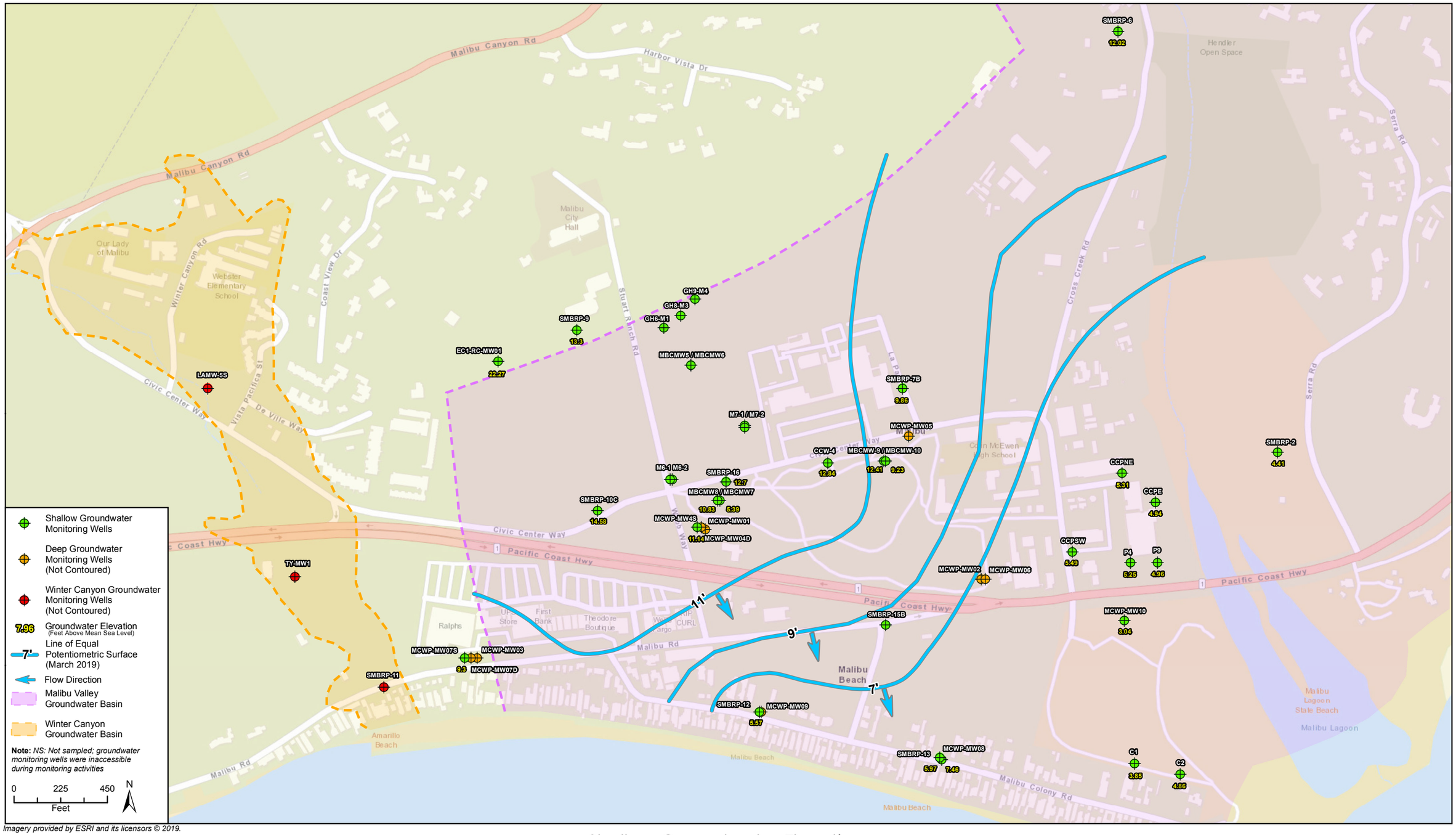


Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
February 2019

Figure 3b

Rincon Consultants Inc.

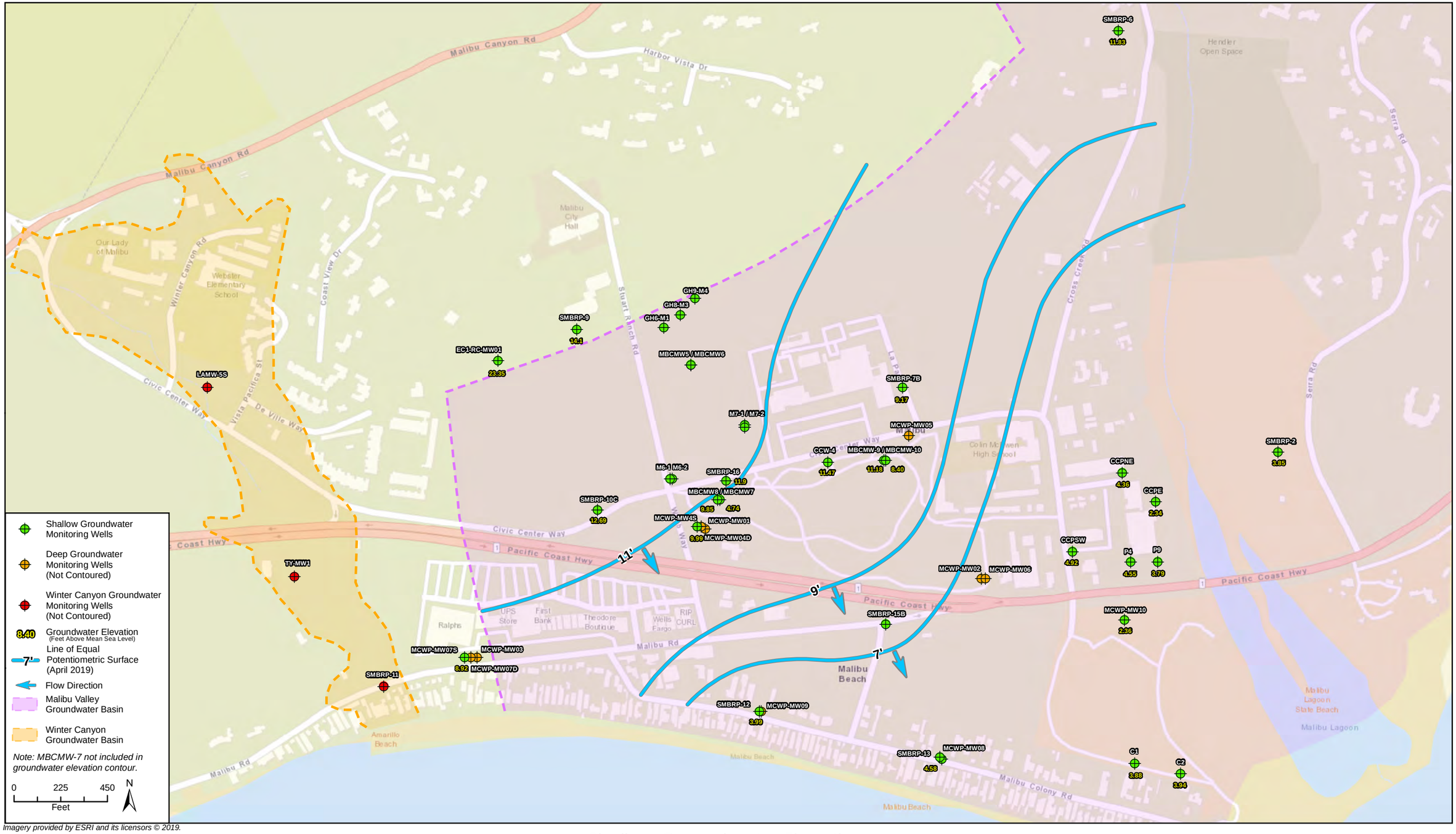


Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
March 2019

Figure 3c

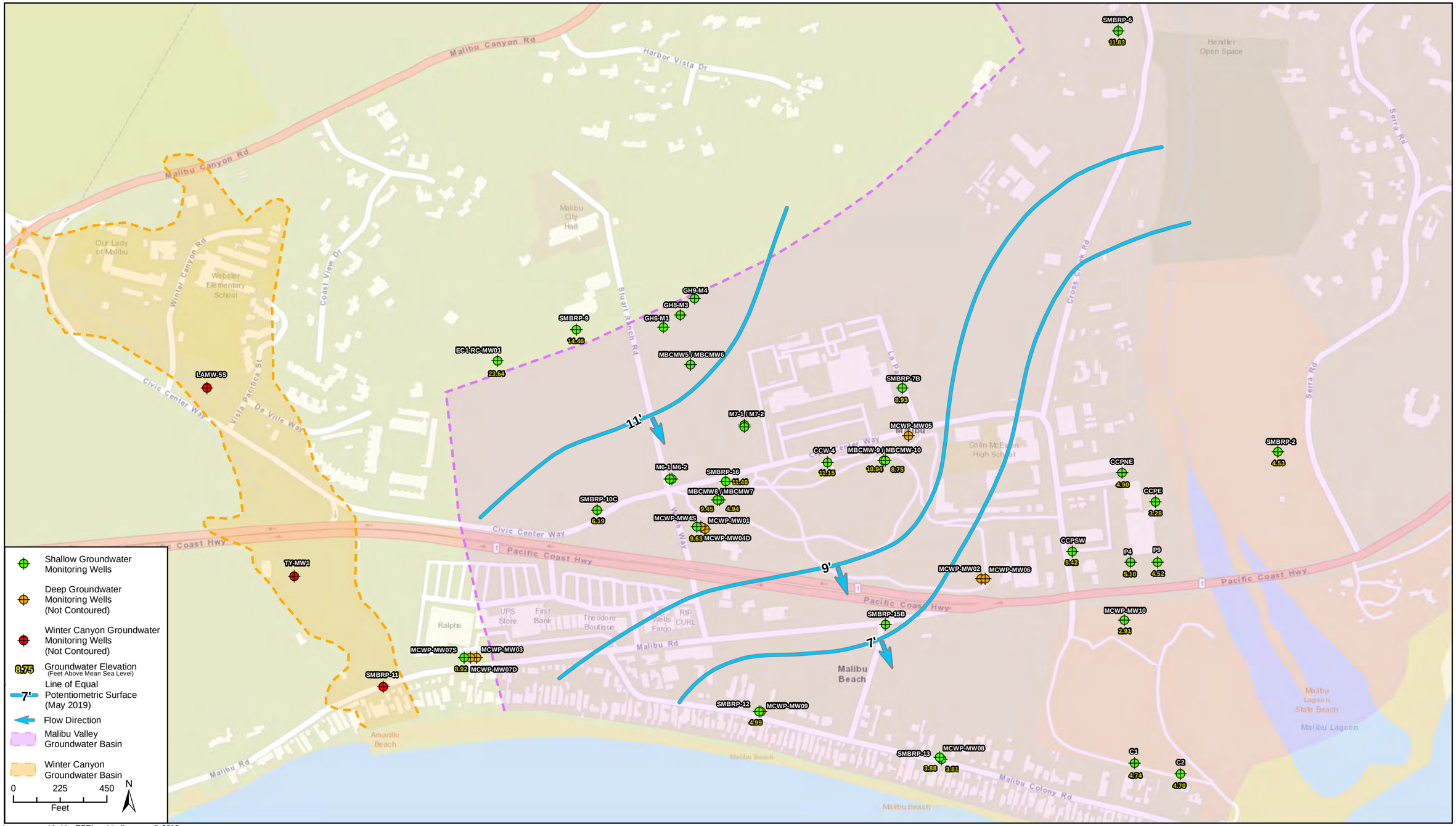
Rincon Consultants Inc.



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
April 2019

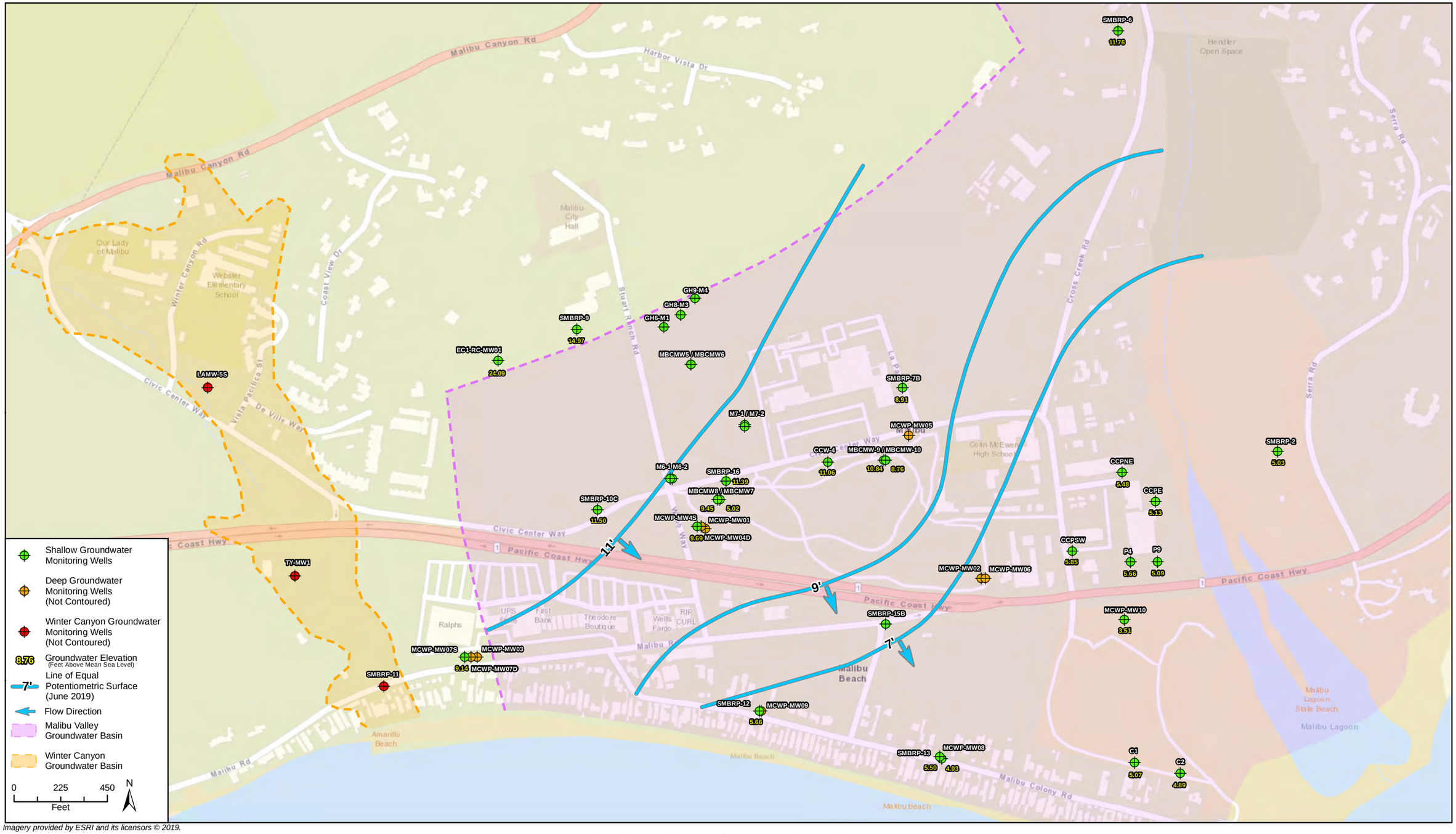
Figure 3d



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
May 2019

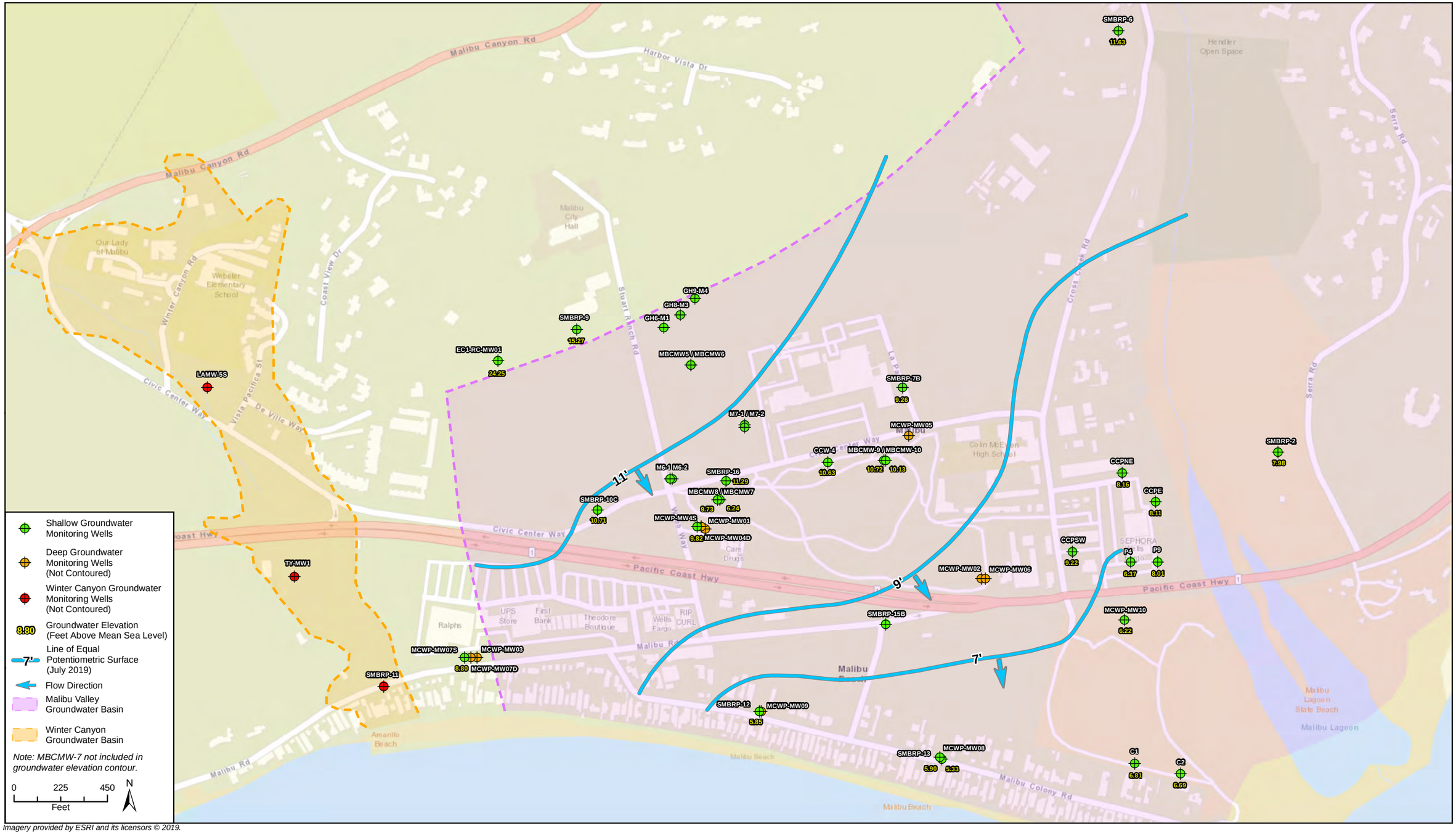
Figure 3e



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
June 2019

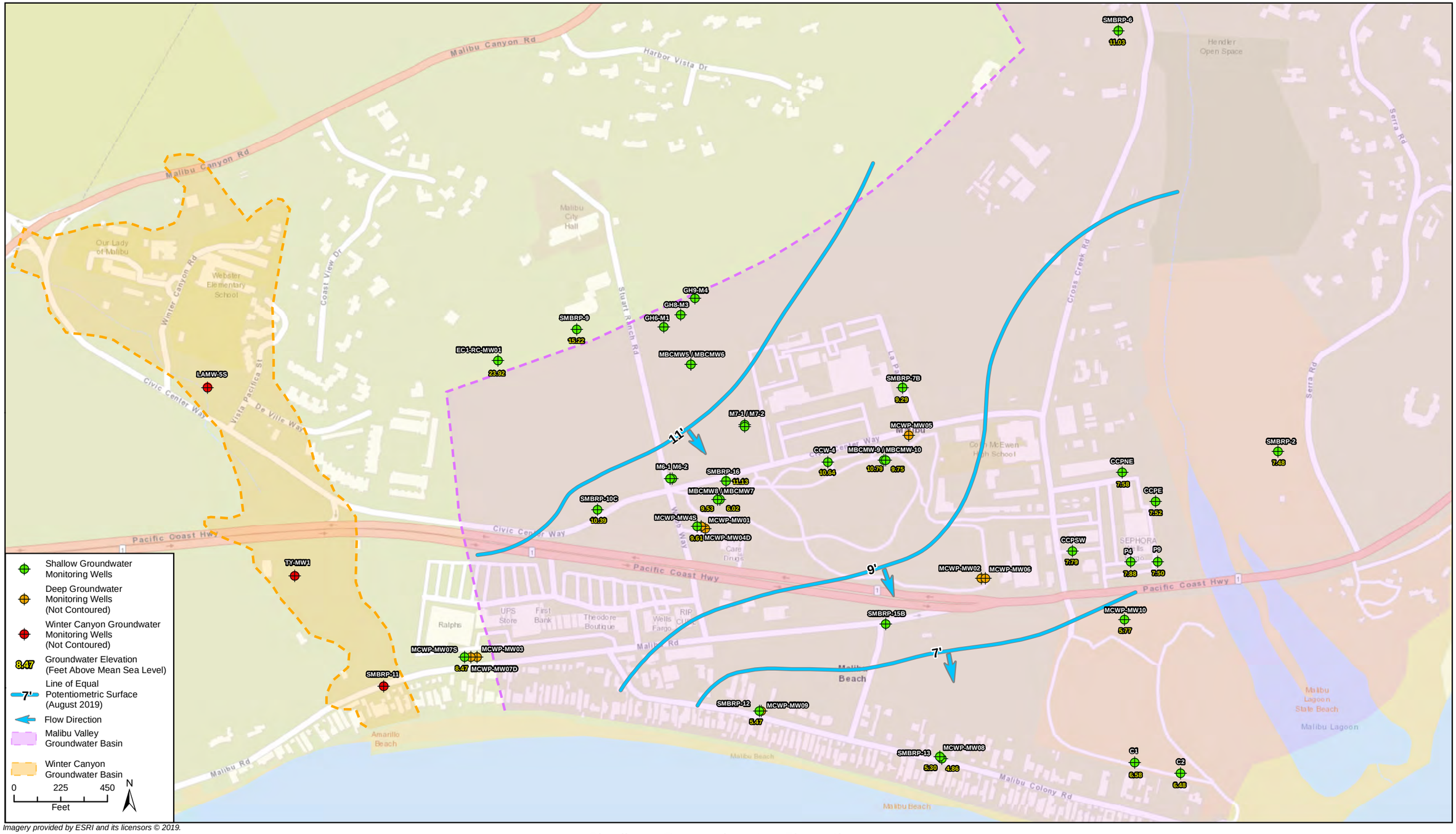
Figure 3f



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
July 2019

Figure 3g



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
August 2019

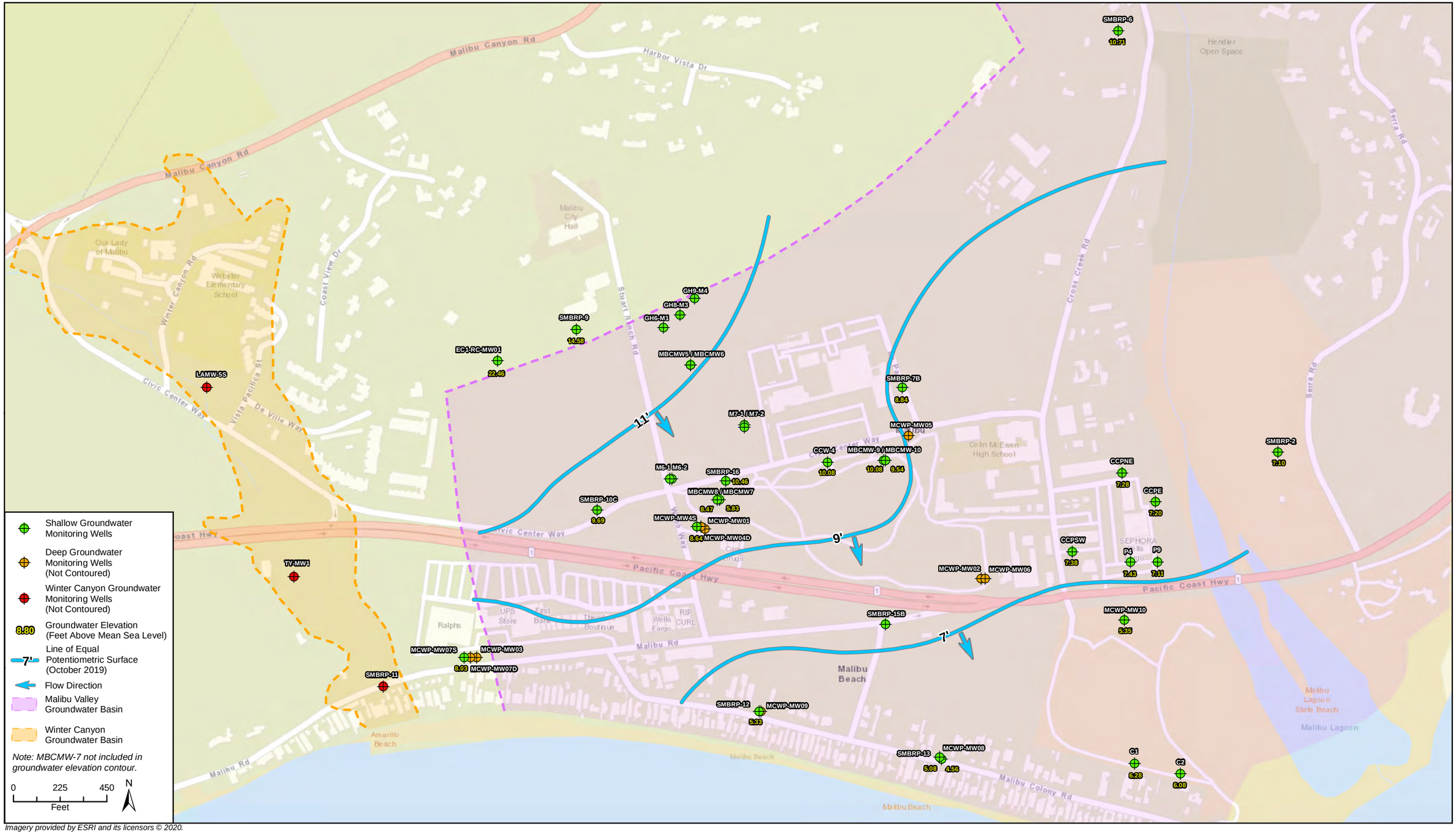
Figure 3h



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
September 2019

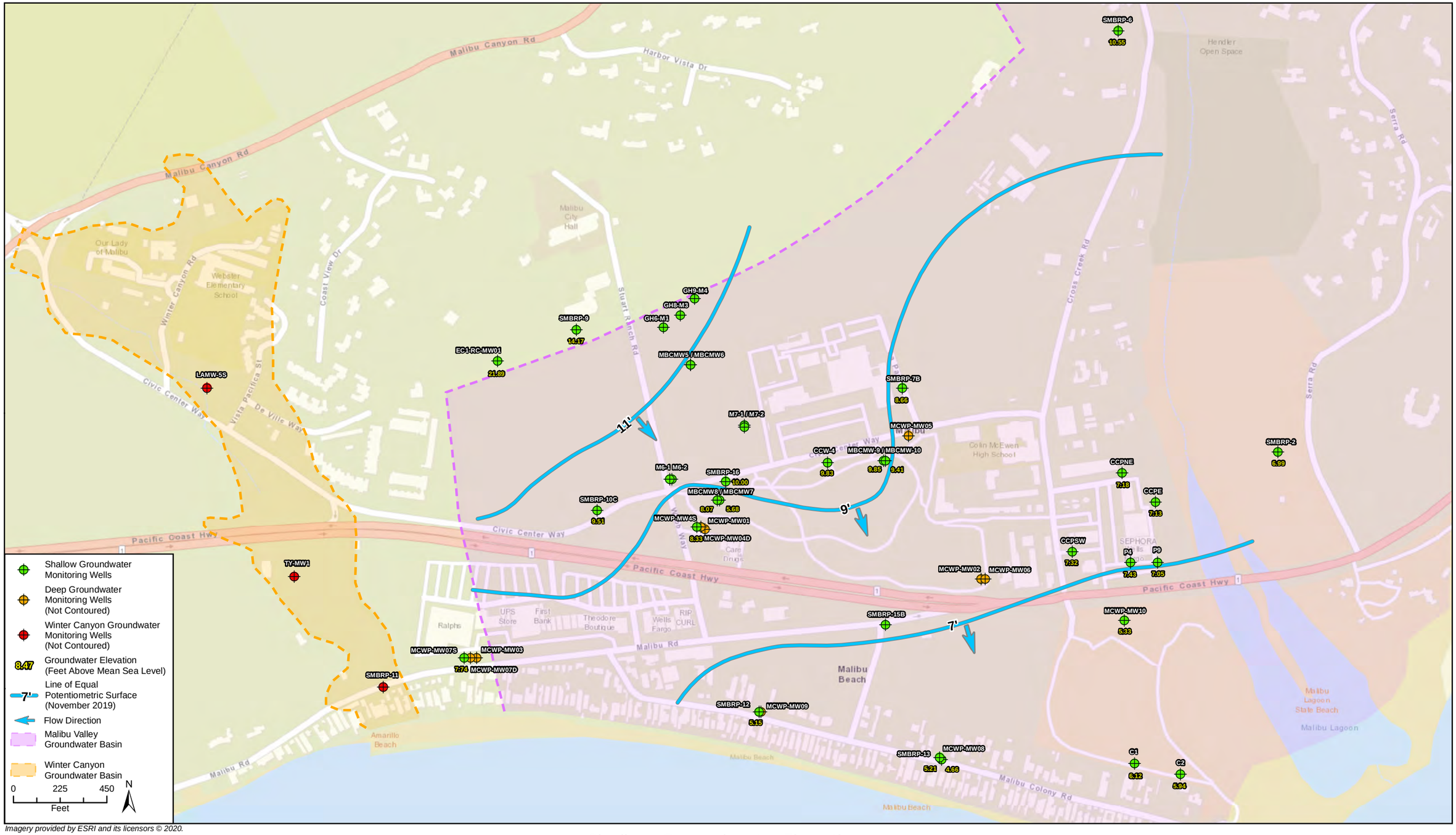
Figure 3i



Imagery provided by ESRI and its licensors © 2020.

Shallow Groundwater Elevation
October 2019

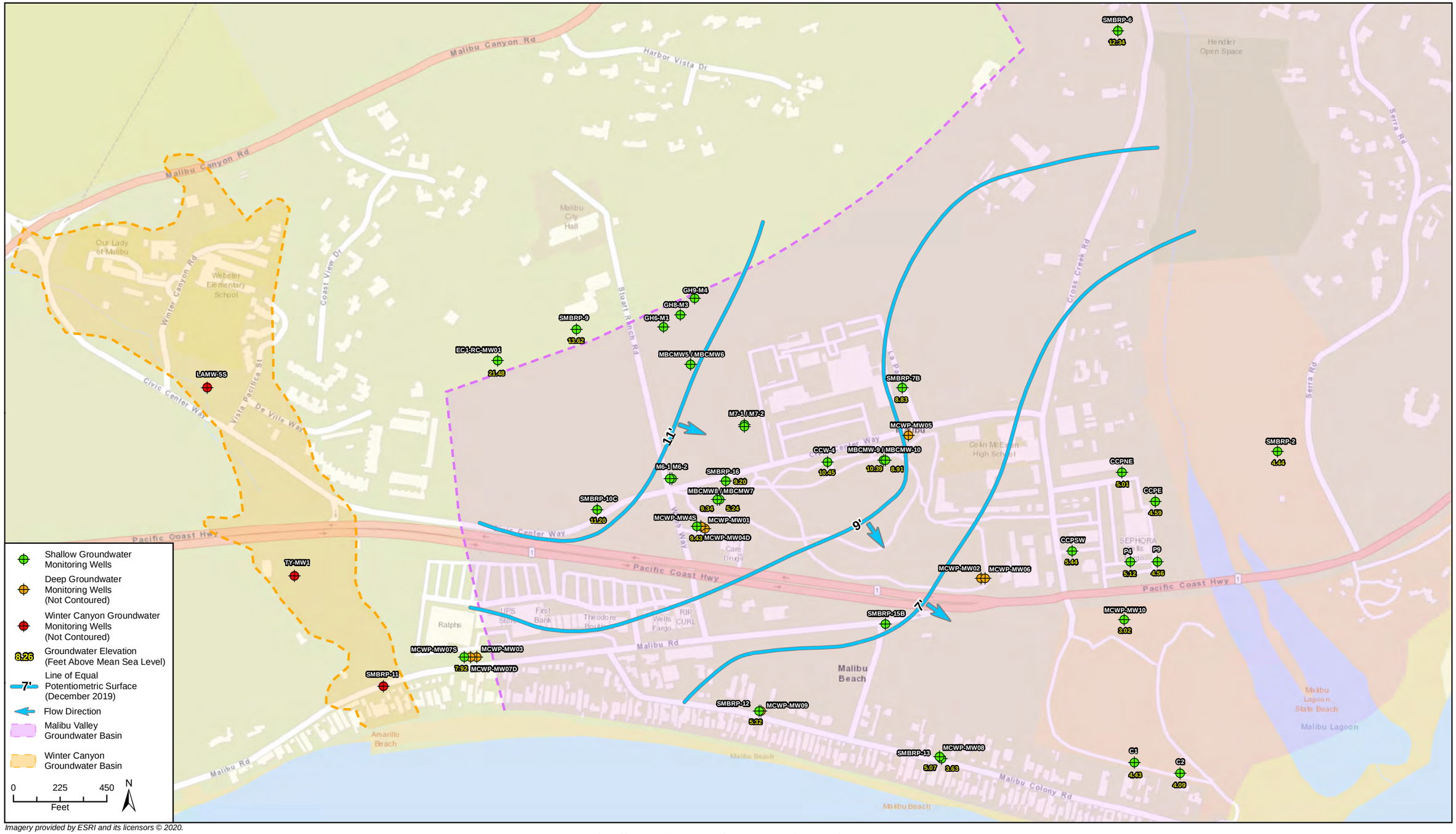
Figure 3j



Imagery provided by ESRI and its licensors © 2020.

Shallow Groundwater Elevation
November 2019

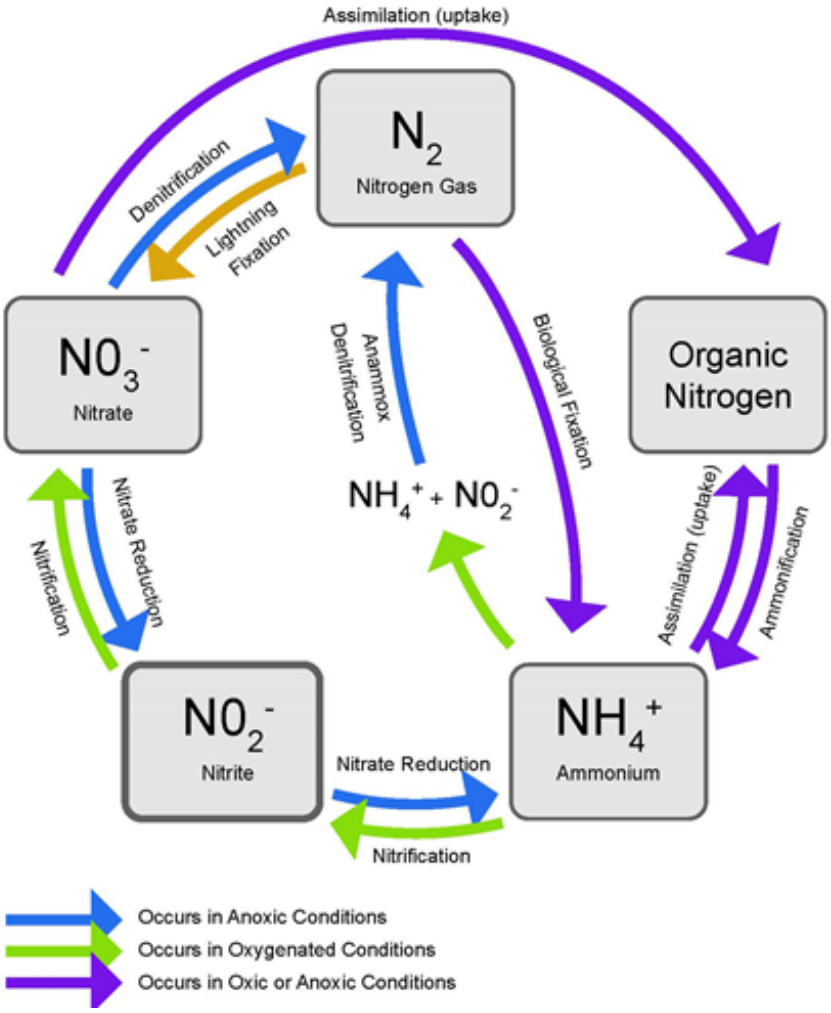
Figure 3k



Imagery provided by ESRI and its licensors © 2020.

Shallow Groundwater Elevation
December 2019

Figure 3l



The Nitrogen Cycle Figure 4

Appendix A

Groundwater and Surface Water Field Sheets

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 2/26/19 Sampled By: Jaime Mcclain / James Grunden

Jan-Mar Apr-Jun July-Sep Oct-Dec
(Circle appropriate)

Estuary (Circle appropriate)
Berm: open / closed

General Weather Conditions
65-80° F
Partly cloudy

General Wind Conditions
Light.

Daily Tides: **Low** Time: Feet: **High** Time: Feet:

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
N-001	1045	calm	clear	clear	none	none	none	Y
N-002	1055	"	"	"	"	"	"	Y
N-003	1115	"	"	"	"	"	"	Y
N-004	1005	CALM	Cloudy	Brown	~~A~~ none	organics	none	Y
L-001	1210	N/A	cloudy	clear/ brown	none	none	black phoebe	Y
L-002	1240	N/A	cloudy	brown	none	foam	mallet/ grackle	Y
L-003	1225	N/A	cloudy	brown	none	none	mallet	Y
L-004	1145	N/A	cloudy	brown	rotten eggs	none	none	Y
L-005	1110	calm	cloudy	clear/ brown	none	none	gulls	Y
L-006	1130	N/A	cloudy	brown	rotten eggs	none	none	Y

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
806 N. Batavia St., Orange, CA 92868	Lab No:	Standard: / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714)771-9933	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants.	Name:	MALIBU (CIVIC) CIVIC CENTER
Report To:	PETER DOREAU	Number:	
Email:	pdoreau@rinconconsultants.com	P.O. #:	15-01597
Address:	78[illegible]	Address:	
	Ventura CA		
Phone:	805 644-4455	Global ID:	
Fax:		Sampled By:	PETER D. NICON.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: SEE Bottles	Test Instructions / Comments
1	LAMW1-SS		1030	W	VARIOUS	VARIOUS	X	
2	SMBRP-9		0945				X	
3	SMBRP-11		1100				X	
4	SMBRP-12		1215				X	
5	SMBRP-13		1300				X	
6	MCWP-MW06S		1100				X	
7	MCWP-MW09		1215				X	
8	MCWP-MW07S		1000				X	
9	MCWP-MW07D		0930				X	
10								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doreau	Rincon / CON SO	2-26-19 / 1345
[1] Received By:		Heather Mac	Enthalpy	2-26-19 1314 S
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.
806 N. Batavia St., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714)771-9933
Billing: Enthalpy - SoCal
c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614

ENTHALPY analytical, inc.

Chain of Custody Record

Lab No:
Page: 1 of 1

Turn Around Time (Rush by advanced notice only)

Standard:		4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	(SS) Malibu Civic Center
Report To:	Peter Doran	Number:	
Email:	pdoran@rinconconsultants.com	P.O. #:	15-01547
Address:	180 Altamead Ave	Address:	
Phone:	626 844 2400	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: SVOCs	Test Instructions / Comments
1	N-001	2-26-19	1045	W	various	various	X	
2	N-002		1055				X	
3	N-003		1115				X	
4	N-004		1005				X	
5	L-001		1210				X	
6	L-002		1240				X	
7	L-003		1225				X	
8	L-004		1145				X	
9	L-005		1110				X	
10	L-006		1150				X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Rincon / Env. Sci.	2-26-19 / 1345
[1] Received By:		Kathy Mu	Enthalpy	2-26-19 13:46
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

Malibu
Monthly Gauging Sheet 3/21/19

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 3/21/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1304	7.62	
C-2	14.5	2	1309	6.33	
CCPE	52	2	1233	8.00	
CCPNE		2	1237	8.37	
CCPSW		2	1244	8.18	
CCW-4		1	1119	2.93	
GH6-M1	35	2	1005	27.61	
GH8-M3	40	2	1000	26.15	
GH9-M4	45	2	—	—	Buried
Lagoon	n/a	n/a	—	—	Inaccessible
LAMW-5S	74	4	1041	45.90	
M6-1	45	2	1025	5.76	
M6-2	20	2	1026	4.05	
M7-1	40	2	1021	6.36	
M7-2	25	2	1020	5.30	
MBCMW-5	19.4	n/a	1010	16.95	
MBCMW-6	64.26	n/a	NA	NA	
MBCMW-7	52.5	2	1110	11.25	
MBCMW-8	10	2	1112	5.70	
MBCMW-9	9	2	1130	5.30	
MBCMW-10	53	2	1131	8.51	
MCWP-MW01	148	6	1052	9.90	
MCWP-MW02	145	6	1322	12.10	
MCWP-MW03	134	6	1341	8.21	
MCWP-MW04D	145	4	1057	9.09	
MCWP-MW04S	20	4	1100	4.15	
MCWP-MW05	150	4	1125	7.55	
MCWP-MW06	137	2	1320	10.09	
MCWP-MW07D	134	2	1341	53.00	
MCWP-MW07S	20	2	1335	4.42	
MCWP-MW08	77	2	1409	41.75	
MCWP-MW09	89	2	1359	6.35	
MCWP-MW10	22	2	1255	8.07	
P-4	12.5	4	1226	6.91	
P-9	14.3	4	1230	7.21	
SMBRP-2	25	2	1213	8.72	
SMBRP-6	25	2	1148	14.86	
SMBRP-7b	25	2	1135	9.13	
SMBRP-8 (EG-RC MW01)	60	4	950	26.42	
SMBRP-9	45	2	940	37.02	
SMBRP-10C	25	2	1035	1.67	
SMBRP-11	20	2	1347	7.31	
SMBRP-12	25	2	1402	7.05	
SMBRP-13	20	2	1408	7.61	
SMBRP-15b	25	1	—	—	Dry
SMBRP-16	25	2	1105	1.8	

Collected by: Nico Navarro

* Also collected GPS coordinates of all wells w/ Trimble

Table 1

Groundwater Monitoring Well Construction Details

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 01 /03 /2018	Time	Depth to Water 8/24/2015 (ft bTOC)	Wellhead Condition/ Notes
C-1	14.5	n/a	11.47	7.06	1111	n/a	
C-2	14.5	2	11.19	6.79	1113	5.11	
CCPE	20	2	12.94	10.41	1013	5.76	
CCPNE		2	13.68	8.63	1015	6.44	
CCPSW		2	13.67	8.60	1019	6.29	
CCW-4		1	15.77	6.71	0941	6.50	
GH6-M1	35	2		28.87	0858	28.92	
GH8-M3	40	2		28.7	0902	28.37	
GH9-M4	45	2		NA		30.31	
LAMW-5S	20	4	104.55	51.63	0924	53.71	furthest from Pepperidge
M6-1	45	2		6.71	0912	6.61	
M6-2	20	2		5.44	~~5.44~~ 0913	5.76	
M7-1	40	2		8.68	0915	8.09	
M7-2	25	2		8.17	0916	7.78	
MBCMW-5	19.4	n/a	29.03	Dry		n/a	18.2 Total Depth; Transducer
MBCMW-6	64.26	n/a	29.02	N/A		n/a	
MBCMW-7	52.5	2	16.64	9.14	0933	11.26	
MBCMW-8	10	2	16.53	3.75	0935	9.11	
MBCMW-9	10	2	17.71	7.82	0946	8.70	
MBCMW-10	53	2	17.74	9.24	0947	8.63	
MCWP-MW01	148	6	17.90	10.95	1027	10.22	
MCWP-MW02	145	6	18.06	11.18	1024	10.39	
MCWP-MW03	134	6		8.78	1035	7.65	
MCWP-MW04D	148	4		10.18	1029	9.35	
MCWP-MW04S	20	4		7.14	1030	7.55	
MCWP-MW05	158	4		8.29	0943	7.62	
MCWP-MW06	153	2		10.72	1022	9.87	
MCWP-MW07D	134	2		8.71	1036	7.51	
MCWP-MW07S	20	2		5.70	1037	6.76	
MCWP-MW08	77	2		8.76	1051	7.64	
MCWP-MW09	95	2	16.30	6.67	1045	7.52	
MCWP-MW10	60	2		8.30	1105	5.70	
P-4	12.5	4	12.16	7.08	1008	4.58	
P-9	14.3	4	12.17	7.51	1010	5.07	
SMBRP-2	25	2	13.13	9.07	1003	6.04	
SMBRP-6	25	2	26.88	15.76	0955	16.49	
SMBRP-7B	45	2	18.99	10.72	0949	10.69	
SMBRP-8 (EG-RC MW01)	60	4		29.1	0850	28.74	
SMBRP-9	45	2	50.32	37.81	0945	38.24	
SMBRP-10C	25	2	16.25	6.79	0921	7.37	
SMBRP-11	20	2	18.35	8.42	1039	8.88	
SMBRP-12	25	2	12.62	7.48	1047	5.69	
SMBRP-13	20	2	13.58	8.20	1053	8.32	
SMBRP-15B	25	1	16.77	DRY	1100	Dry	TWD 7.91
SMBRP-16	25	2	14.50	4.74	0932	4.95	

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time / / 2/25/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1125	7.70	
C-2	14.5	2	1130	7.50	
CCPE	52	2	1045	11.60	* 52.00
CCPNE		2	1050	9.22	
CCPSW		2	1055	8.65	
CCW-4		1	1240	2.83	
GH6-M1	35	2	0925	28.22	
GH8-M3	40	2	0930	27.23	
GH9-M4	45	2		—	BURIED
Lagoon	n/a	n/a		—	
LAMW-5S	74	4	0950	47.48	* 74.15
M6-1	45	2	0940	3.93	
M6-2	20	2	0940	5.33	
M7-1	40	2	0945	6.71	
M7-2	25	2	0945	5.44	
MBCMW-5	19.4	n/a		—	BURIED
MBCMW-6	64.26	n/a		—	BURIED
MBCMW-7	52.5	2	1009	11.65	
MBCMW-8	10	2	1010	5.05	
MBCMW-9	9	2	1255	5.40	* 9.25
MBCMW-10	53	2	1310	9.10	
MCWP-MW01	148	6	0955	11.00	
MCWP-MW02	145	6	1145	12.38	
MCWP-MW03	134	6	1320	8.30	
MCWP-MW04D	145	4	1000	10.17	* 74.15
MCWP-MW04S	20	4	0957	3.70	* 20.40
MCWP-MW05	150	4	1245	8.10	* 154.5
MCWP-MW06	137	2	1150	10.37	* 137.45
MCWP-MW07D	134	2	1325	8.20	* 129.45
MCWP-MW07S	20	2	1330	4.85	* 17.2
MCWP-MW08	77	2	1350	9.15	
MCWP-MW09	89	2	1340	6.60	* 89.25
MCWP-MW10	22	2	1105	8.67	* 22.20
P-4	12.5	4	1034	7.75	
P-9	14.3	4	1040	8.83	
SMBRP-2	25	2	0925	9.19	
SMBRP-6	25	2	0915	14.79	
SMBRP-7b	25	2	1230	9.05	* 40.41
SMBRP-8 (EG-RC MW01)	60	4	0915	27.51	
SMBRP-9	45	2	0900	37.53	* 45.02
SMBRP-10C	25	2	1315	1.6	
SMBRP-11	20	2	1200	7.74	* 20.20
SMBRP-12	25	2	1345	9.07	* 24.80
SMBRP-13	20	2	1355	9.7	* 19.42
SMBRP-15b	25	1	1400	—	WELL IS DRY
SMBRP-16	25	2	1005	1.65	

* = TOTAL WELL DEPTH

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.25.19
Project/Location Malibu, CA Civic Center Area	Well Number: LAMW-S3
Observation Period Start: 0955 Stop: 1030	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico N.

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	74'
Well Diameter (in)	4	Depth of Well (ft)	74.15
Initial/Static Depth to Water (ft)	47.48	Length of Water Column (ft)	26.67
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	17.3	Three Casing Volumes (gal)	52.00
Purge Time, Start	1000	Purge Time, Stop	1025
Total Purge Time (minutes)	25	Purge Rate (gpm)	1.0
Purge Volume (gal)	25	Depth to Water (ft) at Sampling	47.47

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	17.5	25					At Sampling
Temperature (C)	20.8	21.3	21.1	WELL DEWATERED @ 25 GALLONS.				20.8
pH	7.31	6.79	6.81					6.98
Conductivity (µS)	1363	1137	1174					1055
Dissolved Oxygen (mg/L)	4.12	3.96	4.60					4.96
Dissolved Oxygen (%)	46.0	44.8	51.8					55.6
TDS (ppm)	887	739	763					686
Turbidity (NTU)	20.75	11.77	28.42					355
			Depth to Water at End of Purge (ft)	73.33		Drawdown (ft)	25.85	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

47.48 + 0.2 * 25.85 = 52.65

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 2-25-19	
Project/Location Malibu, CA Civic Center Area		Well Number: SMBRP-7B	
Observation Period Start: 0915 Stop: 1115		Survey Reference Point: TOC	
Sampled By: Peter Doran		Witnessed By: NICON.	

PURGING DATA

Type of Pump	HANDBAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	25.10
Initial/Static Depth to Water (ft)	9.05	Length of Water Column (ft)	16.05
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.5	Three Casing Volumes (gal)	7.70
Purge Time, Start	0920	Purge Time, Stop	0940
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.4
Purge Volume (gal)	8.0	Depth to Water (ft) at Sampling	11.05

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	5.0	8.0				At Sampling
Temperature (C)	19.0	18.9	19.1	19.2				20.4
pH	7.17	7.30	7.00	6.99	SLOW READINGS			7.09
Conductivity (µS)	806	884	1386	1400				2747
Dissolved Oxygen (mg/L)	6.24	6.54	3.90	3.72				4.20
Dissolved Oxygen (%)	67.3	70.6	42.8	40.6				46.8
TDS (ppm)	523	880	902	911				1784
Turbidity (NTU)	145.8	120.2	166.8	160.2				52.1

Depth to Water at End of Purge (ft): 19.63 Drawdown (ft): 10.58

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1100

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.05 + 0.2 * 10.58 = 11.16

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2.25.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-9
Observation Period	Start: 1045 Stop: 1110	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico N.

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	45.02
Initial/Static Depth to Water (ft)	37.53	Length of Water Column (ft)	7.49
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.2	Three Casing Volumes (gal)	3.6
Purge Time, Start	1050	Purge Time, Stop	1105
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.3
Purge Volume (gal)	4.0	Depth to Water (ft) at Sampling*	37.49

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	2.5	4.0				At Sampling
Temperature (C)	21.2	21.6	22.1	22.2				21.3
pH	7.08	7.14	7.14	7.14	SLOW RECHARGE			7.14
Conductivity (µS)	1853	1970	2086	2105				2062
Dissolved Oxygen (mg/L)	3.11	3.75	5.41	5.59				5.90
Dissolved Oxygen (%)	35.1	42.7	60.2	64.3				67.0
TDS (ppm)	1224	1291	1352	1366				1341
Turbidity (NTU)	10.6	51.62	216.42	384.60				123.6

Depth to Water at End of Purge (ft)	43.84	Drawdown (ft)	6.31

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	Cloudy

Comments: Sampled Time:* 0930 0945

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

37.53 + 0.2 * 6.31 = 38.79

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2-25-19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP -HH11
Observation Period	Start: 1230 Stop: 1300	Survey Reference Point:	(TOC)
Sampled By:	Peter Doran	Witnessed By:	

PURGING DATA

Type of Pump	~~Hand~~ Bat Elec SUB.	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	20.20
Initial/Static Depth to Water (ft)	7.74	Length of Water Column (ft)	12.46
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.0	Three Casing Volumes (gal)	6.0
Purge Time, Start	1235	Purge Time, Stop	1245
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.5
Purge Volume (gal)	5.0	Depth to Water (ft) at Sampling	7.7

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	5.0				At Sampling
Temperature (C)	21.3	20.7	21.1	21.0				20.4
pH	6.93	7.07	7.05	7.05	WELL DEWATERED			7.22
Conductivity (µS)	2668	1672	1745	1761	@			1907
Dissolved Oxygen (mg/L)	3.52	2.93	3.61	3.70	5 GALLONS.			4.39
Dissolved Oxygen (%)	39.1	32.3	40.4	41.6				48.7
TDS (ppm)	1735	1087	1131	1145				1239
Turbidity (NTU)	167.9	61.2	261.9	463.2				99.8

Depth to Water at End of Purge (ft)	19.90	Drawdown (ft)	12.16

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Cloudy

Comments: Sampled Time: 1100

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.74 + 0.2 * 12.16 = 10.17

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 2·26·19	
Project/Location Malibu, CA Civic Center Area		Well Number: SMBRP-12	
Observation Period Start: 1130 Stop: 1220		Survey Reference Point: TOC	
Sampled By: Peter Doran		Witnessed By: Nico N.	

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	24.9
Initial/Static Depth to Water (ft)	8.07	Length of Water Column (ft)	16.73
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.67	Three Casing Volumes (gal)	8.03
Purge Time, Start	1140	Purge Time, Stop	1200
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.4
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	8.07

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	5.5	8.5				At Sampling
Temperature (C)	20.7	20.8	20.6	20.6				
pH	6.95	6.90	6.91	6.91				
Conductivity (µS)	2946	2597	2613	2657				
Dissolved Oxygen (mg/L)	3.32	2.63	2.70	2.71				
Dissolved Oxygen (%)	36.9	29.4	29.9	29.8				
TDS (ppm)	1914	1688	1698	1791				
Turbidity (NTU)	121.6	134.5	130.7	168.6				

Depth to Water at End of Purge (ft): 8.09 Drawdown (ft): 0.02

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1215

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.07 + 0.2 * 0.02 = 8.01

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2/26/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-13
Observation Period	Start: Stop:	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico N.

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	-
Well Diameter (in)	2	Depth of Well (ft)	19.42
Initial/Static Depth to Water (ft)	9.70	Length of Water Column (ft)	9.72
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.5	Three Casing Volumes (gal)	4.6
Purge Time, Start	1240	Purge Time, Stop	1250
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.5
Purge Volume (gal)	5	Depth to Water (ft) at Sampling	9.70

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	3.5	5.0				At Sampling
Temperature (C)	19.2	19.2	19.5	19.3				
pH	7.02	7.05	7.02	7.05				
Conductivity (µS)	3026	3057	4113	3939				
Dissolved Oxygen (mg/L)	5.22	5.17	3.23	4.80				
Dissolved Oxygen (%)	57.1	56.6	~~38~~ 35.5	52.8				
TDS (ppm)	1826	1986	2674	2560				
Turbidity (NTU)	363.1	311	70.38	452				

Depth to Water at End of Purge (ft)	9.90	Drawdown (ft)	0.2

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	(now:)
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	cloudy

Comments: Sampled Time: 1300

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.70 + 0.2 * 0.2 = 9.74

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.25.19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW04S
Observation Period Start: 1115 Stop: 1150	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By:

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	19'
Well Diameter (in)	4	Depth of Well (ft)	20.40
Initial/Static Depth to Water (ft)	3.70	Length of Water Column (ft)	16.70
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	10.9	Three Casing Volumes (gal)	32.5
Purge Time, Start	1120	Purge Time, Stop	1140
Total Purge Time (minutes)	20	Purge Rate (gpm)	1.25
Purge Volume (gal)	25.0	Depth to Water (ft) at Sampling	3.92

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	11.0	22.0	25.0				At Sampling
Temperature (C)	22.7	22.8	22.1	22.0	WELL			20.5
pH	7.26	7.25	7.23	7.23	DEWATERED			7.25
Conductivity (µS)	6903	6984	6899	6891	@ 25 Gallons.			6907
Dissolved Oxygen (mg/L)	4.49	4.25	4.09	4.05				7.03
Dissolved Oxygen (%)	52.4	50.3	47.2	46.6				79.9
TDS (ppm)	4411	4541	4496	4481				4427
Turbidity (NTU)	50.28	9.71	5.85	4.35				8.20
			Depth to Water at End of Purge (ft)	18.96		Drawdown (ft)	15.26	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1100 - 2.26.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

3.70 + 0.2 * 15.26 = 6.75

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.27.19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP- MW04D
Observation Period Start: 1100 Stop: 1330	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico Navarro

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	142
Well Diameter (in)	4	Depth of Well (ft)	145
Initial/Static Depth to Water (ft)	10.17	Length of Water Column (ft)	134.83
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	87.64	Three Casing Volumes (gal)	262.92
Purge Time, Start	1115	Purge Time, Stop	1255
Total Purge Time (minutes)	100	Purge Rate (gpm)	2.6
Purge Volume (gal)	263	Depth to Water (ft) at Sampling	10.17

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	88	175	263				At Sampling
Temperature (C)	19.5	19.5	19.7	19.7				
pH	7.24	7.13	7.10	7.10				
Conductivity (µS)	2135	2154	2158	2158				
Dissolved Oxygen (mg/L)	5.15	3.46	2.41	2.91				
Dissolved Oxygen (%)	55.5	37.9	26.7	32.0				
TDS (ppm)	1388	1400	1402	1403				
Turbidity (NTU)	6.83	3.45	0.96	1.68				

Depth to Water at End of Purge (ft): 10.37 | Drawdown (ft): 0.20

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1300

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.17 + 0.2 * 0.20 = 10.21

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.28.2019
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW05
Observation Period Start: 0925 Stop: 1145	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico Navarro

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	152
Well Diameter (in)	4	Depth of Well (ft)	~~150~~ 154.5
Initial/Static Depth to Water (ft)	8.1	Length of Water Column (ft)	146.4
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	95.16	Three Casing Volumes (gal)	285.48
Purge Time, Start	0845	Purge Time, Stop	1115
Total Purge Time (minutes)	150	Purge Rate (gpm)	1.9
Purge Volume (gal)	285.5	Depth to Water (ft) at Sampling	8.12

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	95.5	190.5	285.5				At Sampling
Temperature (C)	~~95~~ 18.0	18.7	19.0	19.1				
pH	7.15	7.15	7.15	7.16				
Conductivity (µS)	1893	1893	2039	1945				
Dissolved Oxygen (mg/L)	3.40	3.05	2.55	2.50				
Dissolved Oxygen (%)	36.3	32.7	27.6	26.7				
TDS (ppm)	1231	1230	1824	1264				
Turbidity (NTU)	1.36	4.84	~~5~~5.35	3.32				

Depth to Water at End of Purge (ft): 8.38 Drawdown (ft): 0.28

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1125

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.10 + 0.2 * 0.28 = 8.15

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2-27-19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW06
Observation Period	Start: 0930 Stop: 0940	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico M.

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	120
Well Diameter (in)	2	Depth of Well (ft)	137.45
Initial/Static Depth to Water (ft)	10.37	Length of Water Column (ft)	127.08
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.3	Three Casing Volumes (gal)	60.99
Purge Time, Start	0850	Purge Time, Stop	0920
Total Purge Time (minutes)	30	Purge Rate (gpm)	2.0
Purge Volume (gal)	61.0	Depth to Water (ft) at Sampling	10.37

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	20.5	41.0	61.0				At Sampling
Temperature (C)	18.9	19.7	20.1	20.1				
pH	7.31	7.31	7.32	7.31				
Conductivity (µS)	1980	2052	2083	2089				
Dissolved Oxygen (mg/L)	3.16	3.19	3.07	3.05				
Dissolved Oxygen (%)	34.0	35.0	33.6	33.3				
TDS (ppm)	1289	1333	1353	1357				
Turbidity (NTU)	12.0	13.5	5.4	3.5				

Depth to Water at End of Purge (ft): 10.68 Drawdown (ft): 0.31

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 0930

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

_____ + 0.2 * 0.31 = _____

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 2/26/2019	
Project/Location Malibu, CA Civic Center Area		Well Number: MCWP - MW075	
Observation Period Start: 0900 Stop: 1015		Survey Reference Point: TOC	
Sampled By: Peter Doran		Witnessed By: Nico Navarro	

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	20
Initial/Static Depth to Water (ft)	4.85	Length of Water Column (ft)	20 - 4.85 = 15.15
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	15.15 x 0.16 = 2.42	Three Casing Volumes (gal)	15.15 x 0.16 x 3 = ~~2.42~~ = 7.27
Purge Time, Start	~~0955~~ 0930	Purge Time, Stop	0940
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.4
Purge Volume (gal)	4.0	Depth to Water (ft) at Sampling	4.90

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	4.0					At Sampling
Temperature (C)	19.2	19.1	well dewatered @ 4.0 Gallons					19.3
pH	7.43	7.43						7.33
Conductivity (µS)	1570	1864						1953
Dissolved Oxygen (mg/L)	6.16	6.00						5.96
Dissolved Oxygen (%)	66.9	65.2						65.0
TDS (ppm)	1215	1212						1205
Turbidity (NTU)	267	251						134

Depth to Water at End of Purge (ft): 19.36 Drawdown (ft): 14.51

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy.

Comments: Sampled Time: 1000

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

4.85 + 0.2 * 14.51 = 7.75

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2·26·19
Project/Location Malibu, CA Civic Center Area	Well Number: M/CWP - MW07D
Observation Period Start: 0840 Stop: 0940	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By:

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	127
Well Diameter (in)	2	Depth of Well (ft)	129.45
Initial/Static Depth to Water (ft)	8.20	Length of Water Column (ft)	121.25
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.4	Three Casing Volumes (gal)	58.2
Purge Time, Start	0850	Purge Time, Stop	0920
Total Purge Time (minutes)	30	Purge Rate (gpm)	~~0.5~~ 2.0
Purge Volume (gal)	60.0	Depth to Water (ft) at Sampling	8.20

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	~~39.0~~	60.0				At Sampling
Temperature (C)	19.5	20.6	20.8	20.8				
pH	7.06	7.12	7.11	7.10				
Conductivity (µS)	3010	3047	3070	3076				
Dissolved Oxygen (mg/L)	2.67	2.97	2.22	2.19				
Dissolved Oxygen (%)	29.4	33.3	24.8	24.5				
TDS (ppm)	1955	1976	1992	1998				
Turbidity (NTU)	35.8	31.1	30.6	30.2				

Depth to Water at End of Purge (ft): 9.01 | Drawdown (ft): 0.81

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: Non-Hazardous Waste

Water Level Indicator: Solinst Model 101

Weather Conditions: Cloudy

Comments: Sampled Time: 0930

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.20 + 0.2 * 0.81 = 8.36

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2-27-19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW09
Observation Period Start: 1130 Stop: 1220	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico N.

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	87'
Well Diameter (in)	2	Depth of Well (ft)	89.25
Initial/Static Depth to Water (ft)	6.60	Length of Water Column (ft)	82.65
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.2	Three Casing Volumes (gal)	39.7
Purge Time, Start	1140	Purge Time, Stop	1200
Total Purge Time (minutes)	20	Purge Rate (gpm)	2.0
Purge Volume (gal)	40.0	Depth to Water (ft) at Sampling	6.62

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	26.5	40.0				At Sampling
Temperature (C)	20.8	21.1	21.1	21.1				
pH	7.35	7.36	7.34	7.39				
Conductivity (µS)	2919	2976	2978	3022				
Dissolved Oxygen (mg/L)	2.22	2.75	2.66	2.68				
Dissolved Oxygen (%)	24.9	30.8	29.7	30.0				
TDS (ppm)	1897	1934	1935	1965				
Turbidity (NTU)	13.8	10.4	8.8	3.8				
			Depth to Water at End of Purge (ft)	7.86		Drawdown (ft)	1.26	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1215

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.60 + 0.2 * 1.26 = 6.85

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2.27.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW1D
Observation Period	Start: 0950 Stop: 1020.	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico N.

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	22'
Well Diameter (in)	2	Depth of Well (ft)	22.20
Initial/Static Depth to Water (ft)	8.67	Length of Water Column (ft)	13.53
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.16	Three Casing Volumes (gal)	6.49
Purge Time, Start	0955	Purge Time, Stop	1002
Total Purge Time (minutes)	7	Purge Rate (gpm)	1.0
Purge Volume (gal)	6.5	Depth to Water (ft) at Sampling	8.65

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	4.5	6.5				At Sampling
Temperature (C)	20.9	21.2	21.2	21.3				
pH	7.04	7.00	7.02	7.05				
Conductivity (µS)	3016	3095	3098	3103				
Dissolved Oxygen (mg/L)	2.17	1.82	2.10	2.11				
Dissolved Oxygen (%)	24.2	21.2	23.8	24.1				
TDS (ppm)	1962	2008	2013	2017				
Turbidity (NTU)	45.6	23.8	16.2	8.8				

Depth to Water at End of Purge (ft)	8.79	Drawdown (ft)	0.12

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	Cloudy.

Comments: Sampled Time: 1015

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.67 + 0.2 * 0.12 = 8.69

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2.23.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MBCMW-9
Observation Period	Start: 0945 Stop: 1015	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico N.

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	9.25
Initial/Static Depth to Water (ft)	5.40	Length of Water Column (ft)	3.85
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.6	Three Casing Volumes (gal)	1.8
Purge Time, Start	0955	Purge Time, Stop	0900
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.2
Purge Volume (gal)	0.75	Depth to Water (ft) at Sampling	5.40

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	0.75						At Sampling
Temperature (C)	17.8	17.9	WELL					17.7
pH	6.98	6.91	DEWATERED @					6.91
Conductivity (µS)	6440	6441	0.75					6764
Dissolved Oxygen (mg/L)	4.00	4.00	GALLONS.					~~6.84~~ 5.21
Dissolved Oxygen (%)	43.0	43.0						55.9
TDS (ppm)	4182	4197						4397
Turbidity (NTU)	515.6	506.1						66.9

Depth to Water at End of Purge (ft)	9.15	Drawdown (ft)	3.75

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good, OK

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1015

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.40 + 0.2 * 3.75 = 6.15

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.27.19
Project/Location Malibu, CA Civic Center Area	Well Number: CCPE
Observation Period Start: 1020 Stop: 1100	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico Navarro

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	50'
Well Diameter (in)	2	Depth of Well (ft)	52
Initial/Static Depth to Water (ft)	11.6	Length of Water Column (ft)	40.4
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	6.46	Three Casing Volumes (gal)	19.39
Purge Time, Start	1030	Purge Time, Stop	1040
Total Purge Time (minutes)	10	Purge Rate (gpm)	2.0
Purge Volume (gal)	19.5	Depth to Water (ft) at Sampling	11.2

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	6.5	13	19.5				At Sampling
Temperature (C)	19.6	19.9	20.1	20.0				
pH	7.11	7.04	7.06	7.06				
Conductivity (µS)	1899	1850	1886	1894				
Dissolved Oxygen (mg/L)	2.29	2.18	2.94	2.97				
Dissolved Oxygen (%)	24.8	23.7	32.6	33.2				
TDS (ppm)	1227	1203	1227	1231				
Turbidity (NTU)	10.7	9.9	7.6	3.5				

Depth to Water at End of Purge (ft): 11.45 Drawdown (ft): —

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1050

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

~ + 0.2 * ~ = ~

Malibu

Monthly Gauging Sheet

Date: 4/24/19

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 4/24/19 ~~4/25/19~~	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1425	7.59	
C-2	14.5	2	1430	7.25	
CCPE	52	2	1337	10.60	
CCPNE		2	1333	9.32	
CCPSW		2	1345	8.75	
CCW-4		1	1144	4.30	
GH6-M1	35	2	1042	26.40	
GH8-M3	40	2	1045	24.23	
GH9-M4	45	2	—	—	Buried
Lagoon	n/a	n/a	—	—	Could not locate
LAMW-5S	74	4	1113	46.75	
M6-1	45	2	1056	6.29	
M6-2	20	2	1058	4.51	
M7-1	40	2	1050	7.00	
M7-2	25	2	1048	6.05	
MBCMW-5	19.4	n/a	—	—	Buried
MBCMW-6	64.26	n/a	—	—	
MBCMW-7	52.5	2	1124	11.90	
MBCMW-8	10	2	1125	6.68	
MBCMW-9	9	2	1152	6.53	
MBCMW-10	53	2	1153	9.34	
MCWP-MW01	148	6	1131	11.02	
MCWP-MW02	145	6	1456	12.60	
MCWP-MW03	134	6	1506	43.4	
MCWP-MW04D	145	4	1134	10.27	
MCWP-MW04S	20	4	1137	5.30	
MCWP-MW05	150	4	1149	8.34	
MCWP-MW06	137	2	1454	10.46	
MCWP-MW07D	134	2	1508	52.70	
MCWP-MW07S	20	2	1510	4.80	
MCWP-MW08	77	2	1533	41.98	
MCWP-MW09	89	2	1525	6.55	
MCWP-MW10	22	2	1418	8.75	
P-4	12.5	4	1322	7.61	
P-9	14.3	4	1545	8.38	
SMBRP-2	25	2	1238	9.28	
SMBRP-6	25	2	1209	15.05	
SMBRP-7b	25	2	1200	9.82	
SMBRP-8 (EG-RC MW01)	60	4	1032	25.34	
SMBRP-9	45	2	1025	36.22	
SMBRP-10C	25	2	1108	3.56	
SMBRP-11	20	2	1515	7.84	
SMBRP-12	25	2	1523	8.63	
SMBRP-13	20	2	1530	9.00	
SMBRP-15b	25	1	—	—	Dry
SMBRP-16	25	2	1120	2.60	

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 5/8/19 Sampled By: CY JM

Jan-Mar (Apr-Jun) July-Sep Oct-Dec (Circle appropriate)

Estuary (Circle appropriate)
Berm: (open) / closed

General Weather Conditions: cloudy, overcast, humid

General Wind Conditions: light wind on beach < 3 kts

Daily Tides: **Low** Time: 17:45 Feet: 2.5 **High** Time: 13:35 Feet: 3.2

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
N-001	1100	rough	clear	clear	none	none	none	Y
N-002	1115	↓	↓	↓	↓	↓	↓	↓
N-003	1136	↓	↓	↓	↓	↓	↓	↓
N-004	10:20	↓	↓	↓	↓	↓	↓	↓
L-001	1200	N/A	cloudy	clear	none	↓	ducks	↓
L-002	1235	N/A	↓	red/ brown	none	↓	none	↓
L-003	1210	N/A	↓	↓	rotten eggs	↓	~~ferns~~, gulls, pelican	↓
L-004	1145	N/A	↓	↓	rotten eggs	↓	ferns, gulls, pelican	↓
L-005	1220	N/A	↓	↓	none	↓	~~ferns~~ gulls pelicans	↓
L-006	1140	N/A	↓	↓	rotten eggs	↓	fern	↓

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 5/7 /19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1040	6.73	*
C-2	14.5	2	1045	6.49	*
CCPE	52	2	1005	9.66	*
CCPNE		2	1010	8.78	*
CCPSW		2	1015	8.25	*
CCW-4		1	1037	4.62	2/2 TAB/Bolts
GH6-M1	35	2	0956	25.94	2/2 TABS/Bolts missing
GH8-M3	40	2	0951	23.95	2/2 TABS/Bolts missing
GH9-M4	45	2	—	—	Buried
Lagoon	n/a	n/a	—	—	Not measured
LAMW-5S	74	4	1125	47.09	TD= 74.18 1/2 TAB RT/Bolts.
M6-1	45	2	0930	6.29	2/2 TABS RT / 2/2 3 Plugs
M6-2	20	2	0932	4.55	
M7-1	40	2	0939	6.76	2/2 3 plugs / SEAL.
M7-2	25	2	0940	5.97	
MBCMW-5	19.4	2 n/a	0944	16.55	2/2 Bolts missing (1/2)
MBCMW-6	64.26	n/a	—	—	N/A
MBCMW-7	52.5	2	1025	11.70	3/3 TABS/Bolts missing (1/2)
MBCMW-8	10	2	1022	7.09	(FLUSH CAPS)
MBCMW-9	9	2	1044	6.77	
MBCMW-10	53	2	1045	8.99	
MCWP-MW01	148	6	1015	10.61	
MCWP-MW02	145	6	1055	12.10	*
MCWP-MW03	134	6	1115	7.82	*
MCWP-MW04D	145	4	1012	9.79	TD= 145.33 1/2 Bolts missing / SEAL
MCWP-MW04S	20	4	1010	5.66	TD= 20.39
MCWP-MW05	150	4	1040	8.07	2/2 TABS missing
MCWP-MW06	137	2	1100	10.28	*
MCWP-MW07D	134	2	1120	7.67	TD= 129.4 *
MCWP-MW07S	20	2	1125	4.80	TD= 17.0 *
MCWP-MW08	77	2	1155	8.40	*
MCWP-MW09	89	2	1150	6.25	TD= 90.0
MCWP-MW10	22	2	1215	8.20	*
P-4	12.5	4	950	7.06	*
P-9	14.3	4	955	7.65	*
SMBRP-2	25	2	935	8.60	*
SMBRP-6	25	2	925	15.05	*
SMBRP-7b	25	2	1052	10.06	SEAL
SMBRP-8 (EG-RC MW01)	60	4	920	25.05	2/2 TB-RT/Bolts/SEAL
SMBRP-9	45	2	915	35.86	TD=44.96 2/2 TAB RT/Bolts /5 Plug/SEAL
SMBRP-10C	25	2	1105	10.06	CRACKED APRON REPAR 2/2, 3 bolts.
SMBRP-11	20	2	1135	7.84	TD= 20.0 *
SMBRP-12	25	2	1145	7.63	TD= 24.8 *
SMBRP-13	20	2	1200	9.70	*
SMBRP-15b	25	1	1205	8.20	*
SMBRP-16	25	2	1020	3.04	2/2 TABS/Bolts /SEAL

* SEE PAGE 2 for WELL HEAD DEFICIENCIES.

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 5/7/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	~~1035~~ 1040	6.73	3/3 tabs rethread, no seal, 3/3 no bolts
C-2	14.5	2	1045	6.49	3/3 " " , " " " " "
CCPE	52	2	1005	9.66	1/2 tabs broken, no seal, rethread 1/2 tabs, well cap doesn't fit (locked)
CCPNE		2	1010	8.78	Rethread 2/2 tabs, no seal, no bolts
CCPSW		2	1015	8.25	2/2 tabs broken, no seal, " "
CCW-4		1			
GH6-M1	35	2			
GH8-M3	40	2			
GH9-M4	45	2			
Lagoon	n/a	n/a			
LAMW-5S	74	4			TD=
M6-1	45	2			
M6-2	20	2			
M7-1	40	2			
M7-2	25	2			
MBCMW-5	19.4	n/a			
MBCMW-6	64.26	n/a			
MBCMW-7	52.5	2			
MBCMW-8	10	2			
MBCMW-9	9	2			
MBCMW-10	53	2			
MCWP-MW01	148	6			
MCWP-MW02	145	6	1055	12.10	Rethread tabs 2/2, no seal, no bolts 2/2 (smaller bolts)
MCWP-MW03	134	6	1115	7.82	Rethred " " , " " " " " ", well cap 12"
MCWP-MW04D	145	4			TD=
MCWP-MW04S	20	4			TD=
MCWP-MW05	150	4			
MCWP-MW06	137	2	1100	10.28	Missing 1/2 bolts, rethread 2/2 tabs, no seal 7.5" diameter well cap
MCWP-MW07D (No tabs 2/2)	134	2	1120	7.67	TD= ~~129.4~~ 129.4 *2 No bolts 2/2, No seal 2/2, well cap d = 7.5"
MCWP-MW07S	20	2	1125	4.80	TD= 17.0 *2 Missing tabs 2/2, No bolts 2/2, " " = "
MCWP-MW08	77	2	1155	8.40	1/2 tabs missing, rethread 1/2 tabs, 7.5"
MCWP-MW09	89	2	1150	6.25	TD= 90 Missing 1/2 tabs + bolts, broken seal, 7.5"
MCWP-MW10	22	2	1215	8.20	1/2 tabs broken, rethread 1/2 tabs
P-4	12.5	4	950	7.06	Rethread tabs 2/2 (rusted), no seal, no bolts
P-9	14.3	4	955	7.65	" " " " " " " "
SMBRP-2	25	2	935	8.60	Rethread tabs 2/2, Rusted ~~cap~~ well cap, No seal
SMBRP-6	25	2	925	15.05	Rethread tabs 2/2, Missing 1/2 bolts, No seal
SMBRP-7b	25	2			
SMBRP-8 (EG-RC MW01)	60	4			
SMBRP-9	45	2			TD=
SMBRP-10C	25	2			
SMBRP-11	20	2	~~1135~~	7.84	TD= 20.0, Broken seal, missing bolt 2/2, Rusted cap. rethread tabs 2/2
SMBRP-12	25	2	1145	7.63	TD= 24.6, Rethread tabs 2/2, no seal, 12"
SMBRP-13	20	2	~~1200~~	9.70	Rethread 2/2 tabs, no seal 12"
SMBRP-15b	25	1	1205	8.2	TD = 8.2, 2/2 bolts missing + threads, 7.5" @ TD moisture
SMBRP-16	25	2			

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5.7.19
Project/Location Malibu, CA Civic Center Area	Well Number: LAMW-SS
Observation Period Start: 1125 Stop: 1225	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By: —

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	73.5
Well Diameter (in)	4	Depth of Well (ft)	74.18
Initial/Static Depth to Water (ft)	47.09	Length of Water Column (ft)	27.09
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	17.6	Three Casing Volumes (gal)	52.8
Purge Time, Start	1150	Purge Time, Stop	1215
Total Purge Time (minutes)	25	Purge Rate (gpm)	~~0.4~~ 1.0
Purge Volume (gal)	25	Depth to Water (ft) at Sampling	47.15

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	9	18	20	25			At Sampling
Temperature (C)	23.3	23.4	23.4	23.5	23.4			20.0
pH	7.26	7.21	7.21	7.18	7.22			7.61
Conductivity (µS) mS	1.30	1.28	1.26	1.25	1.22			0.99
Dissolved Oxygen (mg/L)								4.21
Dissolved Oxygen (%)								3.36
TDS (ppm) ppt	0.64	0.64	0.63	0.63	0.61			0.50
Turbidity (NTU)	416	376	122	144	156			82

Depth to Water at End of Purge (ft): 73.90 Drawdown (ft): 26.81

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET

Drum Identification labeling: Non-Hazardous Waste

Water Level Indicator: Solinst Model 101

Weather Conditions: OVERCAST

Comments: Sampled Time: 1015 5.8.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

47.09 + 0.2 * 26.81 = 52.45

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5-7-19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-9
Observation Period Start: 1240 Stop: 1300	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By: —

PURGING DATA

Type of Pump	Elect Sub	Pump Inlet Depth (ft)	44
Well Diameter (in)	2	Depth of Well (ft)	44.96
Initial/Static Depth to Water (ft)	35.86	Length of Water Column (ft)	9.10
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.45	Three Casing Volumes (gal)	4.4
Purge Time, Start	1245	Purge Time, Stop	1250
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.9
Purge Volume (gal)	4.5	Depth to Water (ft) at Sampling	35.90

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	3.0	4.5				At Sampling
Temperature (C)	24.2	24.2	24.1	24.1				20.7
pH	7.48	7.49	7.48	7.49				7.02
Conductivity (µS) MS	2.80	2.81	2.79	2.78				3037 (ms)
Dissolved Oxygen (mg/L)								9.06
Dissolved Oxygen (%)								102.2
TDS (ppt) ppt	1.40	1.39	1.39	1.39				2148
Turbidity (NTU)	1040	922	856	826				124.7

Depth to Water at End of Purge (ft): 44.06 Drawdown (ft): 8.2

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST

Comments:

Sampled Time: ~~0940~~ 0945 (5.8.19)

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

35.86 + 0.2 * 8.20 = 37.50

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: ~~5~~ 5/7/19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-11
Observation Period Start: 1335 Stop: 1400	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By: ~~N~~

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	19.5
Well Diameter (in)	2	Depth of Well (ft)	20
Initial/Static Depth to Water (ft)	7.84	Length of Water Column (ft)	12.16
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.95	Three Casing Volumes (gal)	5.84
Purge Time, Start	1345	Purge Time, Stop	1353
Total Purge Time (minutes)	8	Purge Rate (gpm)	0.73
Purge Volume (gal)	6.0	Depth to Water (ft) at Sampling	7.75

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	25.3	~~25.0~~ 2.0	~~23.2~~ 4.0	~~23.1~~ 6.0				20.0
pH	7.24	7.14	7.32	7.30				6-81
Conductivity (~~µS~~) (mS)	3.14	2.42	2.03	1.94				2.04
Dissolved Oxygen (mg/L)								9.33
Dissolved Oxygen (%)								103.3
TDS (ppm) (ppt)	1.56	1.21	1.02	0.97				326 (mg/L)
Turbidity (NTU)	926	714	366	429				156

Depth to Water at End of Purge (ft): 19.5 Drawdown (ft): 11.66

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: PARTLY CLOUDY

Comments: Sampled Time: 1100

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.94 + 0.2 * 11.66 = 10.17

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	5.8.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 1300 Stop: 1335	Survey Reference Point:	TOC
Sampled By:	Peter Doran / Nico Navarro	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	24
Well Diameter (in)	2	Depth of Well (ft)	24.80
Initial/Static Depth to Water (ft)	7.63	Length of Water Column (ft)	17.17
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.7	Three Casing Volumes (gal)	8.24
Purge Time, Start	1305	Purge Time, Stop	1313
Total Purge Time (minutes)	8	Purge Rate (gpm)	1.1
Purge Volume (gal)	9.5	Depth to Water (ft) at Sampling	7.63

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	5.5	8.5				At Sampling
Temperature (C)	22.3	23.1	23.2	23.2				→
pH	6.89	6.87	6.86	6.86				→
Conductivity (µS)	3192	2989	3061	3084				→
Dissolved Oxygen (mg/L)	8.53	8.33	8.28	8.26				→
Dissolved Oxygen (%)	99.1	98.1	97.9	97.7				→
TDS (ppm)	2075	1942	1988	2003				→
Turbidity (NTU)	692	103	30.1	24.5				→

Depth to Water at End of Purge (ft)	7.72	Drawdown (ft)	0.09

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: ~~Unlocked~~ SEE GAUGING SHEET

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST

Comments: Sampled Time: 1530/1330

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.63 + 0.2 * 0.09 = 7.64

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	5.7.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04S
Observation Period	Start: 1325 Stop: 1400	Survey Reference Point:	TOC
Sampled By:	Peter Doran / Nico Navarro	Witnessed By:	—

PURGING DATA

Type of Pump	GROUNDFOS	Pump Inlet Depth (ft)	20'
Well Diameter (in)	4	Depth of Well (ft)	20.39
Initial/Static Depth to Water (ft)	5.66	Length of Water Column (ft)	14.73
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.57	Three Casing Volumes (gal)	28.7
Purge Time, Start	1327	Purge Time, Stop	1347
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.75
Purge Volume (gal)	15	Depth to Water (ft) at Sampling	5.97

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	10.0	15					At Sampling
Temperature (C)	23.4	23.4						20.1
pH	7.67	7.66	WELL DEWATERED					7.66
Conductivity (~~US~~) MS	6.69	6.70						5.78
Dissolved Oxygen (mg/L)	—	—						1.22
Dissolved Oxygen (%)	—	—						10.6
TDS (ppt)	3.34	335						2.89
Turbidity (NTU)	466	326						18.6

Depth to Water at End of Purge (ft)	20.06	Drawdown (ft)	14.40

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	SEE GAUGING SHEET
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	OVERCAST.

Comments: Sampled Time: 1105 5.9.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.66 + 0.2 * 1440 = 8.54

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5/9/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP - MW04D
Observation Period Start: 900 Stop: 1220	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By:

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	9.0
Well Diameter (in)	4	Depth of Well (ft)	145.33
Initial/Static Depth to Water (ft)	9.79	Length of Water Column (ft)	135.54
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	88.1	Three Casing Volumes (gal)	264.3
Purge Time, Start	920	Purge Time, Stop	1200
Total Purge Time (minutes)	160	Purge Rate (gpm)	1.6
Purge Volume (gal)	264.5	Depth to Water (ft) at Sampling	9.79

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

p177

INDICATOR DATA

Volume Pumped (gal)	Before Purge	88.5	~~1767~~	264.5				At Sampling
Temperature (C)	19.7	19.8	19.9	19.9				→
pH	6.91	6.89	6.88	6.89				→
Conductivity (µS)	2235	2061	2078	2296				→
Dissolved Oxygen (mg/L)	2.13	2.27	2.20	1.75				→
Dissolved Oxygen (%)	23.2	24.9	24.1	19.4				→
TDS (ppm)	1452	1489	1497	1493				→
Turbidity (NTU)	0.9	0	0	0				→

Depth to Water at End of Purge (ft): 9.82 Drawdown (ft): 0.03

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST.

Comments: Sampled Time: 1215

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.79 + 0.2 * 0.03 = 9.79

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5/8/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW07S
Observation Period Start: 1130 Stop: 1245	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By: —

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	16.5
Well Diameter (in)	2	Depth of Well (ft)	17.0
Initial/Static Depth to Water (ft)	4.80	Length of Water Column (ft)	~~15.20~~ 12.20
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.95	Three Casing Volumes (gal)	5.86
Purge Time, Start	1201	Purge Time, Stop	1207
Total Purge Time (minutes)	6	Purge Rate (gpm)	1.0
Purge Volume (gal)	6.0	Depth to Water (ft) at Sampling	4.95

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	20.0	20.1	20.2	20.2				—
pH	7.01	7.04	7.08	7.09				—
Conductivity (µS)	2723	2033	1556	1544				—
Dissolved Oxygen (mg/L)	9.34	9.25	9.23	9.22				—
Dissolved Oxygen (%)	103.4	102.9	102.8	102.7				—
TDS (ppm)	1769	1320	1022	1002				—
Turbidity (NTU)	896	642	86.6	67.2				—
			Depth to Water at End of Purge (ft)	13.62		Drawdown (ft)	8.82	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy / Overcast

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

4.80 + 0.2 * 8.82 = 6.56

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	5.8.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWD-MW07D
Observation Period	Start: 1125 Stop: 1230	Survey Reference Point:	TOC
Sampled By:	Peter Doran / Nico Navarro	Witnessed By:	

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	125
Well Diameter (in)	2	Depth of Well (ft)	129.40
Initial/Static Depth to Water (ft)	7.67	Length of Water Column (ft)	121.73
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	~~0.65~~ 0.16
One Casing Volume (gal)	~~19.7~~ 19.47	Three Casing Volumes (gal)	58.4
Purge Time, Start	1130	Purge Time, Stop	1200
Total Purge Time (minutes)	~~H30~~ 30	Purge Rate (gpm)	~~7.67~~ 1.95
Purge Volume (gal)	58.5	Depth to Water (ft) at Sampling	7.67

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	39.0	58.5				At Sampling
Temperature (C)	20.5	20.9	20.8	20.7				→
pH	6.99	7.01	7.00	7.01				—
Conductivity (µS)	2924	3153	3154	3174				—
Dissolved Oxygen (mg/L)	9.14	9.05	9.03	9.04				—
Dissolved Oxygen (%)	102.5	102.1	102.0	102.0				—
TDS (ppm)	1900	2047	2052	2062				—
Turbidity (NTU)	6.8	3.5	3.6	2.0				—

Depth to Water at End of Purge (ft): 7.80 Drawdown (ft): 0.13

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST.

Comments: Sampled Time: 1220

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.67 + 0.2 * 0.13 = 7.69

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5.8.19
Project/Location Malibu, CA Civic Center Area	Well Number: ~~SMBRP-12~~ MCWP-MW09
Observation Period Start: 1225 Stop: 1320	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By:

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	85
Well Diameter (in)	2	Depth of Well (ft)	90.00
Initial/Static Depth to Water (ft)	6.25	Length of Water Column (ft)	83.75
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.4	Three Casing Volumes (gal)	40.2
Purge Time, Start	1230	Purge Time, Stop	1300
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.4
Purge Volume (gal)	40.5	Depth to Water (ft) at Sampling	

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27.0	40.5				At Sampling
Temperature (C)	22.0	21.9	22.0	22.1				→
pH	7.18	7.20	7.16	7.18				→
Conductivity (µS)	3324	3331	3359	3376				→
Dissolved Oxygen (mg/L)	8.61	8.62	8.61	8.60				→
Dissolved Oxygen (%)	99.5	99.6	99.5	99.5				→
TDS (ppm)	2160	2164	2152	2193				→
Turbidity (NTU)	87.8	0.3	2.0	0.5				→
			Depth to Water at End of Purge (ft)	6.63		Drawdown (ft)	0.38	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST.

Comments: Sampled Time: 1315

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.25 + 0.2 * 0.38 = 6.32

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 6/7/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1335	6.40	
C-2	14.5	2	1337	6.30	
CCPE	52	2	1219	7.81	
CCPNE		2	1224	8.2	
CCPSW		2	1230	7.82	
CCW-4		1	1128	4.71	
GH6-M1	35	2	1015	25.5	
GH8-M3	40	2	1018	24.02	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	NA
LAMW-5S	74	4	1058	47.86	
M6-1	45	2	1035	6.18	
M6-2	20	2	1036	4.48	
M7-1	40	2	1025	6.94	
M7-2	25	2	1023	5.92	
MBCMW-5	19.4	n/a	—	—	BURIED
MBCMW-6	64.26	n/a	—	—	"
MBCMW-7	52.5	2	1121	11.62	
MBCMW-8	10	2	1122	7.08	
MBCMW-9	9	2	1134	6.87	
MBCMW-10	53	2	1135	8.98	
MCWP-MW01	148	6	1105	10.67	
MCWP-MW02	145	6	1351	11.79	
MCWP-MW03	134	6	1250	7.7	
MCWP-MW04D	145	4	1108	9.78	
MCWP-MW04S	20	4	1111	5.6	
MCWP-MW05	150	4	1132	7.95	
MCWP-MW06	137	2	1352	10.0	
MCWP-MW07D	134	2	1248	7.62	
MCWP-MW07S	20	2	1246	4.58	
MCWP-MW08	77	2	1315	8.15	
MCWP-MW09	89	2	1307	6.08	
MCWP-MW10	22	2	1322	7.6	
P-4	12.5	4	1206	6.5	
P-9	14.3	4	1208	7.08	
SMBRP-2	25	2	1157	8.1	
SMBRP-6	25	2	1145	15.12	
SMBRP-7b	25	2	1353	10.08	
SMBRP-8 (EG-RC MW01)	60	4	1005	24.6	
SMBRP-9	45	2	1000	35.35	
SMBRP-10C	25	2	1053	4.75	
SMBRP-11	20	2	1256	7.58	
SMBRP-12	25	2	1305	6.96	
SMBRP-13	20	2	1311	8.08	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1117	3.11	

Collected by - Nico Navarro

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 7/22/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1436	4.66	
C-2	14.5	2	1435	4.50	
CCPE	52	2	1303	4.83	
CCPNE		2	1453	5.52	
CCPSW		2	1408	4.45	
CCW-4		1	1218	5.14	
GH6-M1	35	2	1105	25.80	
GH8-M3	40	2	1108	24.74	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	N/A
LAMW-5S	74	4	1140	49.58	
M6-1	45	2	~~1113~~	~~6.90~~	Time: 1117 DEPTH: 5.47
M6-2	20	2	~~1114~~	~~6.45~~	" : 1118 " : 4.61
M7-1	40	2	1113	6.90	
M7-2	25	2	1114	6.45	
MBCMW-5	19.4	n/a	—	—	UNABLE TO LOCATE
MBCMW-6	64.26	n/a	—	—	" " "
MBCMW-7	52.5	2	1200	10.40	
MBCMW-8	10	2	1202	6.80	
MBCMW-9	9	2	1222	6.99	
MBCMW-10	53	2	1223	7.61	
MCWP-MW01	148	6	1150	9.30	
MCWP-MW02	145	6	1502	9.83	
MCWP-MW03	134	6	1511	6.58	
MCWP-MW04D	145	4	1152	8.51	
MCWP-MW04S	20	4	1153	5.47	
MCWP-MW05	150	4	1225	6.65	
MCWP-MW06	137	2	1500	8.80	
MCWP-MW07D	134	2	1510	6.50	
MCWP-MW07S	20	2	1508	4.92	
MCWP-MW08	77	2	1533	6.88	
MCWP-MW09	89	2	1524	4.91	
MCWP-MW10	22	2	1424	4.89	
P-4	12.5	4	1255	5.79	
P-9	14.3	4	1259	4.16	
SMBRP-2	25	2	1247	5.15	
SMBRP-6	25	2	1238	15.25	
SMBRP-7b	25	2	1211	9.73	
SMBRP-8 (EG-RC MW01)	60	4	1057	24.44	
SMBRP-9	45	2	1052	35.05	
SMBRP-10C	25	2	1133	5.54	
SMBRP-11	20	2	1541	7.93	
SMBRP-12	25	2	1523	6.77	
SMBRP-13	20	2	1530	7.68	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1157	3.21	

GATE CODE: 6432

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 8/13/19 Sampled By: Jaime McClain

Jan-Mar Apr-Jun (July-Sep) Oct-Dec
(Circle appropriate)

Estuary (Circle appropriate)
Berm: open / closed

General Weather Conditions

General Wind Conditions
2 kt wind, overcast, 65-75 °F

Daily Tides: **Low** Time: 14:45 Feet: 2.2 Ft. **High** Time: 09:54 Feet: 4.1 Ft.

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
N-001	1130	calm	clear	clear	none	none	none	Y
N-002	1140	calm	clear	clear	none	none	none	Y
N-003	1150	calm	clear	clear	none	none	none	Y
N-004	1015	calm	clear	clear	none	none	none	Y
L-001	1040	N/A	cloudy	brown	none	none	none	Y
L-002	1230	N/A	cloudy	light brown	none	none	none	Y
L-003	1055	N/A	cloudy	light brown	none	none/ garbage	none	Y
L-004	1110	N/A	cloudy	light green	none	none/ algae	none	Y
L-005	1200	calm	~~cloudy~~ clear	~~brown~~ clear	none	none	12/ cormorants seagulls pelicans shorebirds	Y
L-006	1118	N/A	cloudy	light green	none	none/ algae	none	Y

* Lagoon was very high in water level/flooded. generally water quality seemed better than usual.

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 8/12/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1150	4.89	
C-2	14.5	2	1153	4.71	
CCPE	52	2	1212	5.42	Total depth = 52.4
CCPNE		2	1218	6.10	
CCPSW		2	1225	5.88	
CCW-4		1	1213	5.13	
GH6-M1	35	2	1154	26.1	
GH8-M3	40	2	1200	25.02	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	NA
LAMW-5S	74	4	840	50.4	Total depth = 74.28
M6-1	45	2	1205	5.7	
M6-2	20	2	1206	4.65	
M7-1	40	2	1146	7.0	
M7-2	25	2	1147	6.4	
MBCMW-5	19.4	n/a	—	—	BURIED
MBCMW-6	64.26	n/a	—	—	"
MBCMW-7	52.5	2	1136	10.62	
MBCMW-8	10	2	1135	7.0	
MBCMW-9	9	2	1224	6.92	Total depth = 9.27
MBCMW-10	53	2	1221	7.99	
MCWP-MW01	148	6	1115	9.56	
MCWP-MW02	145	6	1238	10.25	
MCWP-MW03	134	6	1250	7.36	
MCWP-MW04D	145	4	1117	8.72	Total depth = 148.0
MCWP-MW04S	20	4	1408	5.68	Total depth = 20.25
MCWP-MW05	150	4	1232	7.08	Total depth = 151.95
MCWP-MW06	137	2	1232	9.30	Total depth = 137.25
MCWP-MW07D	134	2	1253	7.26	Total depth = 129.5
MCWP-MW07S	20	2	1254	5.25	Total depth = 17.02
MCWP-MW08	77	2	1305	7.35	
MCWP-MW09	89	2	1255	5.50	Total depth = 89.75
MCWP-MW10	22	2	1138	5.34	Total depth = 22.1
P-4	12.5	4	1205	4.28	
P-9	14.3	4	1208	4.67	
SMBRP-2	25	2	1330	5.65	
SMBRP-6	25	2	1320	15.85	
SMBRP-7b	25	2	1238	9.7	Total depth = 24.88
SMBRP-8 (EG-RC MW01)	60	4	830	24.77	
SMBRP-9	45	2	735	35.1	Total depth = 44.98
SMBRP-10C	25	2	830	5.86	
SMBRP-11	20	2	1310	8.2	Total depth = 24.58
SMBRP-12	25	2	1253	7.15	Total depth = 24.58
SMBRP-13	20	2	1145	8.28	Total depth = 19.4
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1130	3.37	

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/12/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	LAMW-55
Observation Period	Start: 0840 Stop: 1000	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	70
Well Diameter (in)	4	Depth of Well (ft)	74.28
Initial/Static Depth to Water (ft)	50.4	Length of Water Column (ft)	23.88
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	15.5	Three Casing Volumes (gal)	46.5
Purge Time, Start	1004	Purge Time, Stop	1045
Total Purge Time (minutes)	41	Purge Rate (gpm)	0.6
Purge Volume (gal)	25	Depth to Water (ft) at Sampling	50.33

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	15.5	~~31~~ 25	46.5				At Sampling
Temperature (C)	22.0	22.3	22.3	* Spike in turbidity				22.0
pH	6.7	6.67	6.77	Stopped purge to prevent				6.66
Conductivity (µS)	1087	1070	1153	pump clogging				1051
Dissolved Oxygen (mg/L)	1.86	2.62	3.59					3.09
Dissolved Oxygen (%)	22.5	30.4	41.4	Slow recharge				30.5
TDS ~~(ppm)~~ (ppt)	0.44	0.43	0.43					0.40
Turbidity (NTU)	976	763	13365					953

Depth to Water at End of Purge (ft): 66.45 Drawdown (ft): 16.05

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 8/13/19 1330

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

50.4 + 0.2 * 16.05 = 66.45

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/12/19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-11
Observation Period Start: 1215 Stop: 1325	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ Nico Navarro	Witnessed By: Michelle Carter

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	17
Well Diameter (in)	2	Depth of Well (ft)	20.0
Initial/Static Depth to Water (ft)	8.24	Length of Water Column (ft)	11.8
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.89	Three Casing Volumes (gal)	5.66
Purge Time, Start	1455	Purge Time, Stop	1510
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.4
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	8.24

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	24.5	22.6	22.2	22.2				23.8
pH	6.69	6.95	7.02	7.07	Slow			7.10
Conductivity (µS)	2561	2450	2518	2202	Recharge			2261
Dissolved Oxygen (mg/L)	2.77	3.35	4.07	5.76				5.57
Dissolved Oxygen (%)	33.6	39.4	47.7	66.1				65.3
TDS ~~(ppm)~~ (ppt)	0.87	0.83	0.85	0.79				0.80
Turbidity (NTU)	4.2	383	588	1565				7.18

Depth to Water at End of Purge (ft): 17.64 Drawdown (ft): 9.44

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 8/13/19 1300

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.24 + 0.2 * 9.44 = 10.13

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/12/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04S
Observation Period	Start: 1408 Stop: 1445	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico NAVARRO	Witnessed By:	MICHELLE CARTER

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	17
Well Diameter (in)	4	Depth of Well (ft)	20.25
Initial/Static Depth to Water (ft)	5.68	Length of Water Column (ft)	14.57
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.47	Three Casing Volumes (gal)	28.41
Purge Time, Start	1424	Purge Time, Stop	1434
Total Purge Time (minutes)	10	Purge Rate (gpm)	1.2
Purge Volume (gal)	12	Depth to Water (ft) at Sampling	6.3

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	9.5	19	28.5				At Sampling
Temperature (C)	28.7	27.0	Dewatered					24.2
pH	7.24	7.13	@ 12 gallons					7.3
Conductivity (µS)	9645	7895						8825
Dissolved Oxygen (mg/L)	2.94	2.47						3.14
Dissolved Oxygen (%)	37.8	31.2						38.8
TDS (ppm)	2.96	2.47						2.82
Turbidity (NTU)	7.8	6.6						16.8

Depth to Water at End of Purge (ft)	17.64	Drawdown (ft)	11.96

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Sunny & Clear

Comments: Sampled Time: 8/13/19 1145

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.68 + 0.2 * 11.96 = 8.07

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/13/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW04D
Observation Period Start: 0815 Stop:	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ NICO NAVARRO	Witnessed By: MICHELLE CARTER

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	140
Well Diameter (in)	4	Depth of Well (ft)	148.15
Initial/Static Depth to Water (ft)	8.77	Length of Water Column (ft)	139.38
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	90.6	Three Casing Volumes (gal)	271.8
Purge Time, Start	0830	Purge Time, Stop	1050
Total Purge Time (minutes)	140	Purge Rate (gpm)	1.94
Purge Volume (gal)	272	Depth to Water (ft) at Sampling	8.77

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	91	181.5	272				At Sampling
Temperature (C)	22.1	20.8	20.7	20.8				←
pH	6.99	6.97	6.98	7.06				←
Conductivity (µS)	2302	2291	2216	2455				←
Dissolved Oxygen (mg/L)	2.59	1.81	2.09	2.27				←
Dissolved Oxygen (%)	29.7	20.3	23.4	24.2				←
TDS (ppm)	0.80	0.84	0.85	0.86				←
Turbidity (NTU)	0	0	0	0				←

Depth to Water at End of Purge (ft): 8.77 Drawdown (ft): Ø

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1115

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.77 + 0.2 * 0 = 8.77

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/13/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP - 9
Observation Period	Start: 0730 Stop: 0813	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	40
Well Diameter (in)	2	Depth of Well (ft)	44.98
Initial/Static Depth to Water (ft)	35.1	Length of Water Column (ft)	9.88
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.58	Three Casing Volumes (gal)	4.74
Purge Time, Start	0745	Purge Time, Stop	0813
Total Purge Time (minutes)	28	Purge Rate (gpm)	0.18
Purge Volume (gal)	5	Depth to Water (ft) at Sampling	35.1

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	3.5	5.0				At Sampling
Temperature (C)	21.5	21.8	22.0	21.8				21.7
pH	6.96	7.05	7.05	7.2				7.01
Conductivity (µS)	2880	2920	2973	2947				3007
Dissolved Oxygen (mg/L)	2.3	2.56	2.14	3.12				3.03
Dissolved Oxygen (%)	26.2	29.4	24.7	38.5				36.2
TDS (ppm)	1.07	1.07	1.07	1.06				1.02
Turbidity (NTU)	370.8	740.7	1977.0	2440				6.86

Depth to Water at End of Purge (ft)	35.5	Drawdown (ft)	0.4

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 0830

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

35.1 + 0.2 * 0.4 = 35.14

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/14/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW06
Observation Period Start: 0753 Stop: 0930	Survey Reference Point: TOC
Sampled By: Nico Navarro	Witnessed By: Michelle Carter

PURGING DATA

Type of Pump	ELECTRIC SUB.	Pump Inlet Depth (ft)	128
Well Diameter (in)	2	Depth of Well (ft)	137.5
Initial/Static Depth to Water (ft)	9.42	Length of Water Column (ft)	128.08
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.49	Three Casing Volumes (gal)	61.47
Purge Time, Start	0830	Purge Time, Stop	0858
Total Purge Time (minutes)	28	Purge Rate (gpm)	2.2
Purge Volume (gal)	61.5	Depth to Water (ft) at Sampling	9.42

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	20.5	41.0	61.5				At Sampling
Temperature (C)	19.8	19.8	19.9	20.1			←	
pH	7.28	7.29	7.31	7.29			←	
Conductivity (µS)	1974	2416	2276	2270			←	
Dissolved Oxygen (mg/L)	1.71	2.43	2.00	1.80			←	
Dissolved Oxygen (%)	19.0	27.5	25.0	22.1			←	
TDS ~~(ppm)~~ (ppt)	0.78	0.92	0.86	0.86			←	
Turbidity (NTU)	2.89	9.23	4.30	4.28			←	

Depth to Water at End of Purge (ft): 9.42 | Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Partly Cloudy

Comments: Sampled Time: 900

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.42 + 0.2 * 0 = 9.42

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/14/19 MCWP-
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-~~MW07D~~S MW07S
Observation Period	Start: 800 Stop: 1100	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ NICO NAVARRO	Witnessed By:	MICHELLE CARTER

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	14
Well Diameter (in)	2	Depth of Well (ft)	17.02
Initial/Static Depth to Water (ft)	5.25	Length of Water Column (ft)	11.77
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.88	Three Casing Volumes (gal)	5.65
Purge Time, Start	830	Purge Time, Stop	842
Total Purge Time (minutes)	12	Purge Rate (gpm)	0.5
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	7.0

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	20.3	20.7	20.1	22.7				←
pH	7.19	7.24	7.3	7.4				←
Conductivity (µS)	2006	1951	1911	2199				←
Dissolved Oxygen (mg/L)	1.54	1.64	5.03	4.94				←
Dissolved Oxygen (%)	17.1	18.2	55.7	57.2				←
TDS (ppm)	0.77	0.73	0.72	0.75				←
Turbidity (NTU)	14.6	11.1	24.4	103				←

Depth to Water at End of Purge (ft): 15 Drawdown (ft): 9.38

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 0845

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.25 + 0.2 * 9.38 = 7.12

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/14/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW07D
Observation Period Start: 800 Stop: 915	Survey Reference Point: TOC
Sampled By: Nico Navarro	Witnessed By: Michelle Carter

PURGING DATA

Type of Pump	ELECTRIC SUB	Pump Inlet Depth (ft)	60
Well Diameter (in)	2	Depth of Well (ft)	129.5
Initial/Static Depth to Water (ft)	7.25	Length of Water Column (ft)	122.25
Product Thickness (ft)	~~19.56~~	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.56	Three Casing Volumes (gal)	58.6
Purge Time, Start	810	Purge Time, Stop	840
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.95
Purge Volume (gal)	58.6	Depth to Water (ft) at Sampling	6.93

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.6	39	58.6				At Sampling
Temperature (C)	21.0	21.1	21.2	21.2			←	
pH	7.28	7.06	7.09	7.16			←	
Conductivity (µS)	2609	3199	3328	3150			←	
Dissolved Oxygen (mg/L)	1.18	1.24	1.23	1.11			←	
Dissolved Oxygen (%)	13.4	14.0	14.0	12.6			←	
TDS ~~(ppm)~~ (ppt)	0.88	1.08	1.10	1.13			←	
Turbidity (NTU)	~~1465~~	~~10400~~ 11.6	6.10	2.54			←	
Depth to Water at End of Purge (ft)				6.7		Drawdown (ft)	~~0.55~~ -0.55 ↳ 0	

Negative Drawdown

Comments: Errant Turbidity measurement on YSI, used ~~Hanna meter~~ LaMotte

MISCELLANEOUS DATA

Condition of Traffic Box: ~~Erro~~

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLOUDY

Comments: Sampled Time: 0830, 845

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.25 + 0.2 * 0 = 7.25

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8.14.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW09
Observation Period	Start: 1100 Stop: 1300	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ NN	Witnessed By:	

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	45
Well Diameter (in)	2	Depth of Well (ft)	89.75
Initial/Static Depth to Water (ft)	5.50	Length of Water Column (ft)	84.25
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.48	Three Casing Volumes (gal)	40.44
Purge Time, Start	1130	Purge Time, Stop	1200
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.35
Purge Volume (gal)	40.5	Depth to Water (ft) at Sampling	5.6

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27	40.5				At Sampling
Temperature (C)	22.8	22.1	21.8	21.7			←	
pH	7.60	7.34	7.31	7.31			←	
Conductivity (µS)	3563	3643	3637	3655			←	
Dissolved Oxygen (mg/L)	1.95	1.23	1.07	1.12			←	
Dissolved Oxygen (%)	23.5	14.3	12.3	12.9			←	
~~TDS (ppm)~~ (ppt)	1.20	1.22	1.22	1.22			←	
Turbidity (NTU)	62	17.9	9.29	7.66			←	

Depth to Water at End of Purge (ft): 5.6 | Drawdown (ft): 0.10

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.50 + 0.2 * 0.1 = 5.52

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/14/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 1120 Stop: 1300	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Electric Sub.	Pump Inlet Depth (ft)	20
Well Diameter (in)	2	Depth of Well (ft)	24.7
Initial/Static Depth to Water (ft)	7.1	Length of Water Column (ft)	17.6
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.8	Three Casing Volumes (gal)	8.4
Purge Time, Start	1140	Purge Time, Stop	1145
Total Purge Time (minutes)	5	Purge Rate (gpm)	1.7
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.1

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	5.5	8.5				At Sampling
Temperature (C)	24.3	23.6	23.7	23.3			←	
pH	7.05	7.06	7.04	7.06			←	
Conductivity (µS)	3235	2946	3150	3230			←	
Dissolved Oxygen (mg/L)	1.12	1.08	0.94	1.21			←	
Dissolved Oxygen (%)	13.7	13.0	11.2	14.3			←	
TDS (ppm)	1.10	1.01	1.09	1.09			←	
Turbidity (NTU)	756 (AU)	14.1	10.3	6.02			←	

Depth to Water at End of Purge (ft): 7.1 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: clear

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.1 + 0.2 * 0 = 7.1

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/15/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MBCMW-9
Observation Period	Start: 0730 Stop: ~~0800~~ 0845	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	7
Well Diameter (in)	2	Depth of Well (ft)	9.27
Initial/Static Depth to Water (ft)	6.92	Length of Water Column (ft)	2.35
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.38	Three Casing Volumes (gal)	1.13
Purge Time, Start	0745	Purge Time, Stop	0750
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.1
Purge Volume (gal)	0.5	Depth to Water (ft) at Sampling	6.9

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	0.5	1.0	1.5				At Sampling
Temperature (C)	22.6	Dewatered @ 0.5 gallons						22.0
pH	6.49	*/Insufficient water for parameter						6.4
Conductivity (µS)	8300							8325
Dissolved Oxygen (mg/L)	3.0							2.8
Dissolved Oxygen (%)	35.1							35.0
TDS (ppm)	2.82							2.79
Turbidity (NTU)	11.0							11.7

Depth to Water at End of Purge (ft): 9.0 Drawdown (ft): 2.08

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 830

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.92 + 0.2 * 2.08 = 7.48

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date: ~~MCWP-MW05~~	8.15.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW05
Observation Period	Start: 800 Stop: 1100	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	145
Well Diameter (in)	4	Depth of Well (ft)	151.95
Initial/Static Depth to Water (ft)	7.08	Length of Water Column (ft)	144.87
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	94.17	Three Casing Volumes (gal)	282.50
Purge Time, Start	815	Purge Time, Stop	1015
Total Purge Time (minutes)	120	Purge Rate (gpm)	2.36
Purge Volume (gal)	283	Depth to Water (ft) at Sampling	7.04

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	95	188.5	282.0				At Sampling
Temperature (C)	23.1	22.5	19.9	20.8				
pH	7.19	7.14	7.12	7.05				
Conductivity (µS)	2209	2213	2213	2213				
Dissolved Oxygen (mg/L)	3.19	2.44	2.00	1.15				
Dissolved Oxygen (%)	37.4	28.3	22.1	13.2				
TDS ~~(ppm)~~ (ppt)	0.77	0.76	0.76	0.76				
Turbidity (NTU)	2.81	2.46	2.72	1.59				

Depth to Water at End of Purge (ft)	7.04	Drawdown (ft)	—

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.08 + 0.2 * Ø = 7.08

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8.15.19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-7B
Observation Period Start: 915 Stop: 1100	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ ~~Peter~~ Jack Weil	Witnessed By: Nico Navarro

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	22
Well Diameter (in)	2	Depth of Well (ft)	~~25~~ 24.88
Initial/Static Depth to Water (ft)	9.7	Length of Water Column (ft)	15.18
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.43	Three Casing Volumes (gal)	7.29
Purge Time, Start	930	Purge Time, Stop	945
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.5
Purge Volume (gal)	7.5	Depth to Water (ft) at Sampling	8.40

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	5.0	7.5				At Sampling
Temperature (C)	23.2	22.9	23.2	22.9			←	
pH	6.96	6.94	6.93	6.95			←	
Conductivity (µS)	1299	1842	2945	3685			←	
Dissolved Oxygen (mg/L)	2.16	2.08	2.26	1.96			←	
Dissolved Oxygen (%)	25.5	24.4	26.8	23.1			←	
TDS ~~(ppm)~~ (ppt)	0.46	0.64	0.98	1.22			←	
Turbidity (NTU)	2.2	20.8	46.8	71.7			←	

Depth to Water at End of Purge (ft): 8.40 Drawdown (ft): -1.3 . Ø drawdown

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.7 + 0.2 * Ø = ~~9.96~~ 9.7

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date: ~~MCWP-MW10~~ 8.15.19	
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW10
Observation Period	Start: 1050 Stop: 1200	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ NICO NAVARRO	Witnessed By:	PETER ~~Will~~ WEIL

PURGING DATA

Type of Pump	6 HAND BAIL	Pump Inlet Depth (ft)	18
Well Diameter (in)	2	Depth of Well (ft)	22.1
Initial/Static Depth to Water (ft)	5.34	Length of Water Column (ft)	16.86
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.7	Three Casing Volumes (gal)	8.1
Purge Time, Start	1100	Purge Time, Stop	1115
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.57
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	5.4

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	6.0	8.5				At Sampling
Temperature (C)	24.3	22.1	21.9	21.9			←	
pH	7.22	6.95	6.87	6.87			←	
Conductivity (µS)	1708	3172	3244	3202			←	
Dissolved Oxygen (mg/L)	1.28	2.43	1.44	1.25			←	
Dissolved Oxygen (%)	15.9	28.1	16.6	14.2			←	
TDS ~~(ppm)~~ (ppt)	0.60	1.05	1.09	1.08			←	
Turbidity (NTU)	2.67	37.1	16.7	8.45			←	

Depth to Water at End of Purge (ft)	5.4	Drawdown (ft)	0.06

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled Time: 1130

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.34 + 0.2 * 0.06 = 5.35

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/15/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-13
Observation Period	Start: 1115 Stop: 1245	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Electric Sub.	Pump Inlet Depth (ft)	16
Well Diameter (in)	2	Depth of Well (ft)	19.4
Initial/Static Depth to Water (ft)	8.28	Length of Water Column (ft)	11.12
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.77	Three Casing Volumes (gal)	5.33
Purge Time, Start	11:45	Purge Time, Stop	11:50
Total Purge Time (minutes)	5	Purge Rate (gpm)	1.2
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	8.28

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2	4	6				At Sampling
Temperature (C)	24.2	22.6	22.5	22.2			←	
pH	6.88	6.85	6.83	6.83			←	
Conductivity (µS)	6629	6829	7220	6860			←	
Dissolved Oxygen (mg/L)	2.16	1.7	1.71	1.37			←	
Dissolved Oxygen (%)	28.3	20.0	18.7	17.3			←	
TDS (ppm)	2.18	2.3	2.32	2.34			←	
Turbidity (NTU)	24.8	10.28	5.34	2.22			←	

Depth to Water at End of Purge (ft)	8.2	Drawdown (ft)	0.0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled Time: 1215 8/15/19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.28 + 0.2 * 0 = 8.28

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8.15.19
Project/Location Malibu, CA Civic Center Area	Well Number: CCPE
Observation Period Start: 1145 Stop: 1315	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ Nico Navarro	Witnessed By: ~~Peter Doran~~ Jack Weil

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	45
Well Diameter (in)	2	Depth of Well (ft)	52.4
Initial/Static Depth to Water (ft)	5.42	Length of Water Column (ft)	46.98
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.52	Three Casing Volumes (gal)	22.55
Purge Time, Start	1215	Purge Time, Stop	1230
Total Purge Time (minutes)	30	Purge Rate (gpm)	0.77
Purge Volume (gal)	23	Depth to Water (ft) at Sampling	5.4

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	8.0	15.5	23.0				At Sampling
Temperature (C)	25.1	23.9	22.7	21.7			←	—
pH	6.84	6.91	6.83	6.87			←	—
Conductivity (µS)	14840	9432	9430	9166			←	—
Dissolved Oxygen (mg/L)	1.85	2.00	1.59	2.06			←	—
Dissolved Oxygen (%)	25.1	24.1	18.8	24.9			←	—
TDS ~~(ppm)~~ ppt	4.59	3.05	3.13	3.11			←	—
Turbidity (NTU)	26.6	12.5	7.21	4.32			←	—

Depth to Water at End of Purge (ft): 5.4 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1245

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.42 + 0.2 * 0 = 5.42

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 11/6/19 Sampled By: James Grunden

Jan-Mar Apr-Jun July-Sep Oct-Dec (Circle appropriate)

Estuary (Circle appropriate)
Berm: open / closed

General Weather Conditions
Partally cloudy foggy w/ some sun.

General Wind Conditions
Light variable winds < 5kts

Daily Tides: **Low** Time: 12:10 pm Feet: 2.1 **High** Time: 0609 Feet: 4.5

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
L-001	0955	N/A	~~Cloudy~~ Brown	~~Brown~~	none	none	1 hawk	Y
L-002	~~1013~~ 1035	N/A	~~Cloudy~~ Cloudy	~~Brown~~ Brown	~~slight rotten eggs~~ none	~~garbage~~ none	~~85 Am. Coots~~ 23 Am. Coots	Y
L-003	1013	N/A	Cloudy	Brown	slight rotten eggs	garbage	85 Am. Coots	Y
L-004	1057	N/A	Cloudy	Brown	none	none	2 Mallards 1 W. Gull 600 Am. Coots	Y
N-001	1222	~~N/A~~ CALM	Clear	Clear	none	none	5 Godwits	Y
N-002	1235	~~N/A~~ CALM	Clear	Clear	none	none	2 godwits 1 curlew	Y
N-003	1147	~~N/A~~ CALM	Clear	Clear	none	none	40 Sanderlings 205 W. Gulls 1 Godwit	Y
N-004	1315	~~N/A~~ Calm	Clear	Clear	none	none	1 W. Gull 1 Cormorant	Y
L-005	1135	Calm	Cloudy	Brown	none	Some garbage	700 Coots 2 Killdeer 19 Cormorants 10 Mallards 57 W. Gulls	Y
L-006	1110	N/A	Cloudy	Brown	none	none	75 Am. Coots 12 Mallards 1 Snowy Egret	Y

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 11/4/19	Depth to Water (feet)	Well Head Deficiencies Comments
C-1	14.5	n/a	1507	5.35	
C-2	14.5	2	1458	5.25	
CCPE	52	2	1434	5.81	
CCPNE		2	1437	6.50	
CCPSW		2	1443	6.35	
CCW-4		1	1534	5.94	
GH6-M1	35	2	1413	27.07	
GH8-M3	40	2	1417	26.33	
GH9-M4	45	2	—	—	Buried
Lagoon	n/a	n/a	—	—	
LAMW-5S	74	4	1005	52.48	Tot. depth = 76.1
M6-1	45	2	1424	6.3	
M6-2	20	2	1425	5.35	
M7-1	40	2	1407	7.62	
M7-2	25	2	1405	7.15	
MBCMW-5	19.4	n/a	—	—	
MBCMW-6	64.26	n/a	—	—	
MBCMW-7	52.5	2	1439	10.96	
MBCMW-8	10	2	1438	8.46	
MBCMW-9	9	2	1451	7.86	
MBCMW-10	53	2	1450	8.33	
MCWP-MW01	148	6	1206	10.2	
MCWP-MW02	145	6	1522	10.23	
MCWP-MW03	134	6	1129	7.76	
MCWP-MW04D	145	4	0940	9.81	TD = 137.09
MCWP-MW04S	20	4	1130	6.96	TD = 20.2
MCWP-MW05	150	4	1446	7.4	
MCWP-MW06	137	2	1520	9.57	
MCWP-MW07D	134	2	1130	7.61	TD = 129.33
MCWP-MW07S	20	2	1133	5.98	TD = 16.93
MCWP-MW08	77	2	1528	7.55	
MCWP-MW09	89	2	1100	5.8	TD = 89.2
MCWP-MW10	22	2	1450	5.78	
P-4	12.5	4	1425	4.73	
P-9	14.3	4	1428	5.12	
SMBRP-2	25	2	1415	6.14	
SMBRP-6	25	2	1404	16.33	
SMBRP-7b	25	2	1052	10.33	
SMBRP-8 (EG-RC MW01)	60	4	1000	26.8	
SMBRP-9	45	2	1539	36.15	TD = 45 ~~25~~
SMBRP-10C	25	2	1005	6.74	
SMBRP-11	20	2	1130	8.7	TD = 19.95
SMBRP-12	25	2	1514	7.47	TD = 24.75
SMBRP-13	20	2	1515	8.37	
SMBRP-15b	25	1	Dry	—	—
SMBRP-16	25	2	1444	4.5	

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/4/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	LAMW-5S
Observation Period	Start: 1025 Stop: 1115	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	71.0
Well Diameter (in)	4	Depth of Well (ft)	76.1
Initial/Static Depth to Water (ft)	52.48	Length of Water Column (ft)	23.62
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	15.35	Three Casing Volumes (gal)	46.0
Purge Time, Start	1038	Purge Time, Stop	1058
Total Purge Time (minutes)	20	Purge Rate (gpm)	1.0
Purge Volume (gal)	20 (dewatered @ 20 gal.)	Depth to Water (ft) at Sampling	52.5

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	15.5	~20					At Sampling
Temperature (C)	24.1	24.6	25.1					23.0
pH	6.68	6.89	6.8					7.16
Conductivity (µS)	989	1000	1003					953
Dissolved Oxygen (mg/L)	3.04	4.95	2.66					4.77
Dissolved Oxygen (%)	36.3	59.9	32.3					55.7
TDS (ppm)	0.43	0.41	0.41					0.39
Turbidity (NTU)	3.91	17.38	13.96					41.5

Depth to Water at End of Purge (ft): 66.8 Drawdown (ft): 14.4

Comments: Slow recharge well, sampled day after purge

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 1015 / 11.5.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

52.48 + 0.2 * 14.4 = 55.36

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/4/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW045
Observation Period	Start: 1130 Stop: 1200	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	17
Well Diameter (in)	4	Depth of Well (ft)	20.2
Initial/Static Depth to Water (ft)	6.96	Length of Water Column (ft)	13.24
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	8.6	Three Casing Volumes (gal)	25.8
Purge Time, Start	1139	Purge Time, Stop	1154
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.67
Purge Volume (gal)	10	Depth to Water (ft) at Sampling	7.47

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	9.0	17.5	26.0				At Sampling
Temperature (C)	24.6	23.7						23.7
pH	7.34	7.33	Dewatered @					7.29
Conductivity (µS)	7940	6553	~10	gallons				6277
Dissolved Oxygen (mg/L)	2.56	3.23						7.04
Dissolved Oxygen (%)	31.0	38.9					water clear	84.9
TDS (ppm)	2.78	2.31					↖	>2000
Turbidity (NTU)	3.65	3.18						1.77

Depth to Water at End of Purge (ft): 16.7 | Drawdown (ft): 9.74

Comments: High TDS rating despite similar conductivity for "At sampling" reading; possible errant reading

MISCELLANEOUS DATA

Condition of Traffic Box: Missing one bolt

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 1100 / 11.5.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.96 + 0.2 * 9.74 = 8.91

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/4/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-11
Observation Period	Start: 1130 Stop: 1200	Survey Reference Point:	TOC
Sampled By:	Michelle Carter	Witnessed By:	Nico Navarro

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	19.95
Initial/Static Depth to Water (ft)	8.7	Length of Water Column (ft)	11.25
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.8	Three Casing Volumes (gal)	5.4
Purge Time, Start	1130	Purge Time, Stop	1140
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.55
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	8.72

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	5.5				At Sampling
Temperature (C)	23.8	22.7	22.6	22.9				24.0
pH	6.89	6.96	7.13	7.24				7.03
Conductivity (µS)	2271	2300	2206	2144				~~2304~~ ~~4.46~~
Dissolved Oxygen (mg/L)	3.49	4.29	5.5	5.99				4.46
Dissolved Oxygen (%)	41.6	49.9	64.1	70.2				53.4
TDS (ppm)	TDS meter giving errant readings							~~1111~~ 929
Turbidity (NTU)	7.14	16.53	16	5				3.37

Depth to Water at End of Purge (ft)	17.96	Drawdown (ft)	9.26

Comments: Slow recharge

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: 1145/ 11.5.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.7 + 0.2 * 9.26 = 10.55

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/5/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-9
Observation Period	Start: 0850 Stop: 0950	Survey Reference Point:	TOC
Sampled By:	Michelle Carter	Witnessed By:	Nico Navarro

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	45.0
Initial/Static Depth to Water (ft)	36.15	Length of Water Column (ft)	8.85
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.42	Three Casing Volumes (gal)	4.25
Purge Time, Start	0850	Purge Time, Stop	930
Total Purge Time (minutes)	40	Purge Rate (gpm)	0.11
Purge Volume (gal)	4.5	Depth to Water (ft) at Sampling	36.4

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	3.0	4.5				At Sampling
Temperature (C)	21.3	21.9	22.2	22.1				
pH	7.25	7.30	7.35	7.34				
Conductivity (µS)	877	1878	1897	1912				
Dissolved Oxygen (mg/L)	3.54	4.32	4.59	4.43				
Dissolved Oxygen (%)	39.8	49.5	53.0	51.0				
TDS (ppm)	795	804	822	826				
Turbidity (NTU)	1.93	43.9	85.6	72				

Depth to Water at End of Purge (ft): 37.42 | Drawdown (ft): 1.27

Comments: Well recharged w/in 5 mins. of end of purge

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 0945

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

36.15 + 0.2 * 1.27 = 36.4

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/6/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW07D
Observation Period	Start: 0845 Stop: 1015	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	125
Well Diameter (in)	2	Depth of Well (ft)	129.33
Initial/Static Depth to Water (ft)	7.61	Length of Water Column (ft)	121.72
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.48	Three Casing Volumes (gal)	58.42
Purge Time, Start	0915	Purge Time, Stop	0945
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.95
Purge Volume (gal)	58.5	Depth to Water (ft) at Sampling	7.61

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	39	58.5				At Sampling
Temperature (C)	19.6	20.7	21.3	21.2				
pH	7.07	7.18	7.18	7.17				
Conductivity (µS)	2519	3349	3434	3429				
Dissolved Oxygen (mg/L)	3.47	2.19	2.31	2.54				
Dissolved Oxygen (%)	37.5	24.7	26.6	27.4				
TDS (ppm)	1.07	1.19	1.21	1.19				
Turbidity (NTU)	149	46	25	10				

Depth to Water at End of Purge (ft): 7.66 Drawdown (ft): 0.05

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 1000

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.61 + 0.2 * 0.05 = 7.61

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 11/6/19	
Project/Location Malibu, CA Civic Center Area		Well Number: MCWP-MW075	
Observation Period Start: 0930 Stop: 1045		Survey Reference Point: TOC	
Sampled By: Nico Navarro		Witnessed By: Michelle Carter	

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	16.93
Initial/Static Depth to Water (ft)	5.98	Length of Water Column (ft)	10.95
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.75	Three Casing Volumes (gal)	5.2
Purge Time, Start	0945	Purge Time, Stop	1000
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.37
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	6.0

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	5.5				At Sampling
Temperature (C)	21.3	20.6	20.4	20.6				
pH	7.49	7.45	7.51	7.57				
Conductivity (µS)	1927	1838	1948	1728				
Dissolved Oxygen (mg/L)	3.87	4.0	4.75	6.89				
Dissolved Oxygen (%)	43.7	44.7	53.2	77.3				
TDS (ppm)	0.71	0.73	0.72	0.70				
Turbidity (NTU)	0	19.8	503	116				

Depth to Water at End of Purge (ft): 15.16 Drawdown (ft): 9.18

Comments: NTU reading negative & giving erratic measurements; fast recharge well

MISCELLANEOUS DATA

Condition of Traffic Box: Missing one bolt

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.98 + 0.2 * 9.18 = 7.81

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 11/6/19	
Project/Location Malibu, CA Civic Center Area		Well Number: MCWP-MW09	
Observation Period Start: 1100 Stop: 1300		Survey Reference Point: TOC	
Sampled By: Nico Navarro		Witnessed By: Michelle Carter	

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	85
Well Diameter (in)	2	Depth of Well (ft)	89.2
Initial/Static Depth to Water (ft)	5.8	Length of Water Column (ft)	83.4
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.34	Three Casing Volumes (gal)	40.0
Purge Time, Start	1150	Purge Time, Stop	1225
Total Purge Time (minutes)	35	Purge Rate (gpm)	1.14
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	5.8

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27	40				At Sampling
Temperature (C)	23.7	23.8	23.1	22.6				23.0
pH	7.48	7.44	7.40	7.36				7.39
Conductivity (µS)	3279	3227	3245	3368				3397
Dissolved Oxygen (mg/L)	1.53	1.83	2.15	1.95				2.57
Dissolved Oxygen (%)	18.5	22.0	25.4	22.7				30.2
TDS (ppm)	1.20	1.18	1.21	1.30				1.28
Turbidity (NTU)	595	490	72	15				19

Depth to Water at End of Purge (ft)	5.92	Drawdown (ft)	0.12

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: _____

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.8 + 0.2 * 0.12 = 5.82

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/6/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 1105 Stop: 1215	Survey Reference Point:	TOC
Sampled By:	Michelle	Witnessed By:	Nico

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	24.75
Initial/Static Depth to Water (ft)	7.47	Length of Water Column (ft)	17.28
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.76	Three Casing Volumes (gal)	8.3
Purge Time, Start	1110	Purge Time, Stop	1135
Total Purge Time (minutes)	25	Purge Rate (gpm)	0.34
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.47

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	5.5	8.5				At Sampling
Temperature (C)	24.1	24.2	24.1	24.0				
pH	7.23	7.3	7.3	7.3				
Conductivity (µS)	1390	2786	2867	2933				
Dissolved Oxygen (mg/L)	4.92	3.94	4.95	4.54				
Dissolved Oxygen (%)	59.3	47.0	59.9	54.3				
TDS (ppm)	0.58	1.02	1.06	1.06				
Turbidity (NTU)	26.6	16.4	17.7	10.7				

Depth to Water at End of Purge (ft): 7.47 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 1200

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.47 + 0.2 * 0 = 7.47

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/7/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW04D
Observation Period	Start: 0940 Stop: 1315	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	142
Well Diameter (in)	4	Depth of Well (ft)	146.9
Initial/Static Depth to Water (ft)	9.81	Length of Water Column (ft)	137.09
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	89.1	Three Casing Volumes (gal)	267.3
Purge Time, Start	1030	Purge Time, Stop	1240
Total Purge Time (minutes)	130	Purge Rate (gpm)	2.06
Purge Volume (gal)	267.5	Depth to Water (ft) at Sampling	9.81

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	89.5	178.5	267.5				At Sampling
Temperature (C)	20.2	21.6	21.7	21.7				
pH	7.18	7.18	7.18	7.18				
Conductivity (µS)	2003	2177	2217	2187				
Dissolved Oxygen (mg/L)	3.17	2.47	2.33	2.37				
Dissolved Oxygen (%)	35.1	28.3	27.3	27.3				
TDS (ppm)	995	998	1015	1030				
Turbidity (NTU)	18.24	3.58	0.19	0				

Depth to Water at End of Purge (ft)	9.83	Drawdown (ft)	0.02

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: 1245

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.81 + 0.2 * 0.02 = 9.81

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 12/19/19	Depth to Water	Well Head Deficiencies / Comments
C-1	14.5	n/a	1321	7.04	
C-2	14.5	2	1325	7.10	
CCPE	52	2	1303	8.35	
CCPNE		2	1307	8.67	
CCPSW		2	1415	8.23	
CCW-4		1	1212	5.32	
GH6-M1	35	2	1107	27.54	
GH8-M3	40	2	1110	26.80	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	INACCESSIBLE
LAMW-5S	74	4	1421	52.86	
M6-1	45	2	1121	6.16	
M6-2	20	2	1122	4.62	
M7-1	40	2	1116	7.29	
M7-2	25	2	1117	6.49	
MBCMW-5	19.4	n/a	—	—	BURIED
MBCMW-6	64.26	n/a	—	—	"
MBCMW-7	52.5	2	1150	11.40	
MBCMW-8	10	2	1149	7.19	
MBCMW-9	9	2	1208	7.32	
MBCMW-10	53	2	1209	8.83	
MCWP-MW01	148	6	1138	10.54	
MCWP-MW02	145	6	1337	12.02	
MCWP-MW03	134	6	1347	7.76	
MCWP-MW04D	145	4	1141	9.72	
MCWP-MW04S	20	4	1143	5.86	
MCWP-MW05	150	4	1205	7.88	
MCWP-MW06	137	2	1338	10.10	
MCWP-MW07D	134	2	1349	7.65	
MCWP-MW07S	20	2	1350	5.80	
MCWP-MW08	77	2	1407	8.58	
MCWP-MW09	89	2	1400	6.19	
MCWP-MW10	22	2	1315	8.09	
P-4	12.5	4	1258	7.04	
P-9	14.3	4	1300	7.61	
SMBRP-2	25	2	1238	8.69	
SMBRP-6	25	2	1228	14.54	
SMBRP-7b	25	2	1219	10.16	
SMBRP-8 (EG-RC MW01)	60	4	1101	27.21	
SMBRP-9	45	2	1050	36.70	
SMBRP-10C	25	2	1128	5.05	
SMBRP-11	20	2	1353	8.59	
SMBRP-12	25	2	1401	7.30	
SMBRP-13	20	2	1408	8.51	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1146	5.90	

Appendix B

Laboratory Analytical Reports

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Surface Water
15-01587

Lab Request: 412841
Report Date: 03/06/2019
Date Received: 02/26/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412841-001	N-001
412841-002	N-002
412841-003	N-003
412841-004	N-004
412841-005	L-001
412841-006	L-002
412841-007	L-003
412841-008	L-004
412841-009	L-005
412841-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 10:45 **Site:**
Sample #: **412841-001** **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/26/19 20:54	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	02/26/19	02/26/19 20:54	JP	
Nitrite, as Nitrogen	ND	200	3.6	20	mg/L	02/26/19	02/27/19 13:29	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211968
Total Phosphorous as P	**0.026**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.080**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**41**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 10:55 **Site:**
Sample #: **412841-002** **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/26/19 21:52	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	02/26/19	02/26/19 21:52	JP	
Nitrite, as Nitrogen	ND	200	3.6	20	mg/L	02/26/19	02/27/19 14:27	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211968
Total Phosphorous as P	**0.203**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.622**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**58**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 11:15 **Site:**
Sample #: **412841-003** **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/26/19 23:30	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	02/26/19	02/26/19 23:30	JP	
Nitrite, as Nitrogen	ND	200	3.6	20	mg/L	02/26/19	02/27/19 15:26	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211968
Total Phosphorous as P	ND	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	ND	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**280**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 10:05 **Site:**
Sample #: **412841-004** **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.12 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/26/19 23:49	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	02/26/19	02/26/19 23:49	JP	
Nitrite, as Nitrogen	ND	200	3.6	20	mg/L	02/26/19	02/27/19 16:14	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**0.120 J**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211968
Total Phosphorous as P	ND	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	ND	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**650**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 12:10 **Site:**
Sample #: 412841-005 **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.49 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211761		
Nitrate + Nitrite, as Nitrogen	**4.73**	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:09	JP	
Nitrate, as Nitrogen	**4.73**	1	0.012	0.1	mg/L	02/26/19	02/27/19 00:09	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:09	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1211990		
Total Kjeldahl Nitrogen	**0.493**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1211896		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1211968		
Total Phosphorous as P	**0.493**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.512**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1211756		
Fecal Coliform	**63**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 12:40 **Site:**
Sample #: 412841-006 **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.30 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211761		
Nitrate + Nitrite, as Nitrogen	**4.40**	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:28	JP	
Nitrate, as Nitrogen	**4.40**	1	0.012	0.1	mg/L	02/26/19	02/27/19 00:28	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:28	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1211990		
Total Kjeldahl Nitrogen	**0.299 J**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1211896		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1211968		
Total Phosphorous as P	**0.424**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.300**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1211756		
Fecal Coliform	**64**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 12:25 **Site:**
Sample #: 412841-007 **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.79**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**3.45**	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:48	JP	
Nitrate, as Nitrogen	**3.45**	1	0.012	0.1	mg/L	02/26/19	02/27/19 00:48	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:48	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**0.790**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211968
Total Phosphorous as P	**0.425**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.300**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**30**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 11:45 **Site:**
Sample #: 412841-008 **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.54**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**4.04**	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:07	JP	
Nitrate, as Nitrogen	**4.04**	1	0.012	0.1	mg/L	02/26/19	02/27/19 01:07	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:07	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**0.542**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211968
Total Phosphorous as P	**0.468**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.435**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**88**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 11:10 **Site:**
Sample #: 412841-009 **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.59**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**3.43**	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:27	JP	
Nitrate, as Nitrogen	**3.43**	1	0.012	0.1	mg/L	02/26/19	02/27/19 01:27	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:27	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**0.587**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211968
Total Phosphorous as P	**0.343**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.052**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**260**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 11:30 **Site:**
Sample #: 412841-010 **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**3.10**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**0.05 J**	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:46	JP	J
Nitrate, as Nitrogen	**0.05 J**	1	0.012	0.1	mg/L	02/26/19	02/27/19 01:46	JP	J
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:46	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**3.1**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211968
Total Phosphorous as P	**0.460**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.410**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**210**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

QCBatchID: QC1211761 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/26/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211761MB1					
Chloride	**0.9 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	**0.2 J**	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211761LCS1											
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.96		mg/L	99			90-110		
Nitrite, as Nitrogen	9.15		9.48		mg/L	104			90-110		
Sulfate	50		49.0		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211761MS1, QC1211761MSD1												**Source: 412841-001**
Chloride	18700	20000	20000	38000	37400	mg/L	97	94	1.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	7.75	8.48	mg/L	86	94	9.0	80-120	20	
Nitrite, as Nitrogen	ND	1830	1830	2150	2070	mg/L	117	113	3.8	80-120	20	
Sulfate	2560	10000	10000	12900	12200	mg/L	103	96	5.6	80-120	20	
QC1211761MS2, QC1211761MSD2												**Source: 412841-002**
Chloride	18900	20000	20000	39700	37700	mg/L	104	94	5.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	8.48	8.54	mg/L	94	95	0.7	80-120	20	
Nitrite, as Nitrogen	ND	1830	1830	2320	2220	mg/L	127	121	4.4	80-120	20	M
Sulfate	2520	10000	10000	11900	12000	mg/L	94	95	0.8	80-120	20	

QCBatchID: QC1211896 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211896MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211896LCS1											
Ammonia, as Nitrogen	5		5.19		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211896MS1, QC1211896MSD1												**Source: 412841-001**
Ammonia, as Nitrogen	ND	5	5	4.71	4.71	mg/L	94	94	0.0	80-120	20	

QCBatchID: QC1211968 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 03/04/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211968MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211968LCS1											
Total Phosphorous as P	0.4		0.409		mg/L	102			80-120		
Total Phosphorous as PO4	1.23		1.254		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211968MS1, QC1211968MSD1												**Source: 412841-001**
Total Phosphorous as P	0.026	0.4	0.4	0.404	0.401	mg/L	95	94	0.7	75-125	20	
Total Phosphorous as PO4	0.080	1.23	1.23	1.239	1.229	mg/L	94	93	0.8	75-125	20	

QCBatchID: QC1211990 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211990MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211990LCS1											
Total Kjeldahl Nitrogen	2.5		2.5		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211990MS1, QC1211990MSD1												**Source: 412841-002**
Total Kjeldahl Nitrogen	ND	12.5	12.5	12	10	mg/L	96	80	18.2	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
806 N. Batavia St., Orange, CA 92868	Lab No: 412841	Standard: ☐ 4 Day: ☐ 3 Day: ☐
Phone: (714) 771-6900 Fax: (714)771-9933	Page: 1 of 1	2 Day: ☐ 1 Day: ☐ Same Day: ☐
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants.	Name:	Malibu (35) Civic Center
Report To:	Peter Doran	Number:	
Email:	pdoran@RinconConsultants.com	P.O. #:	15-01597
Address:	180 Ashwood Ave	Address:	
Phone:	805.6444455	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: See Bottles	Test Instructions / Comments
1	N-001	2-26-19	1045	W	Various.	Various	X	
2	N-002		1055				X	
3	N-003		1115				X	
4	N-004		1005				X	
5	L-001		1210				X	
6	L-002		1240				X	
7	L-003		1225				X	
8	L-004		1145				X	
9	L-005		1110				X	
10	L-006		1130				X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Rincon / Env. Sci.	2-26-19 / 1345
[1] Received By:		Kelly Trapp	Enthalpy	2-26-19 13:46
[2] Relinquished By:		Kelly Trapp	"	2-26-19 16:05
[2] Received By:		Juan Portillo	EA/GL	2/26/19 1605
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu- (SS) Civic Center

Date Received: 2/26/19

Sampler's Name Present: ☑ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.2 #2: 6.1 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: 2.7 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/26/19

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 412841				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	1	of	1	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2, NO3	TKN; NH3; Phosphorus, Organic Nitrogen								Test Instructions / Comments
	N-001						X	X	X								
	N-002						X	X	X								
	N-003						X	X	X								
	N-004						X	X	X								
	L-001						X	X	X								
	L-002						X	X	X								
	L-003						X	X	X								
	L-004						X	X	X								
	L-005						X	X	X								
	L-006						X	X	X								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:				
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412842
Report Date: 03/07/2019
Date Received: 02/26/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412842-001	LAMW-5S
412842-002	SMBRP-9
412842-003	SMBRP-11
412842-004	SMBRP-12
412842-005	SMBRP-13
412842-006	MCWP-MW04S
412842-007	MCWP-MW09
412842-008	MCWP-MW07S
412842-009	MCWP-MW07D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 10:30	**Site:**			
Sample #:	**412842-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.06 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**14.3**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.234**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**100**	1	0.086	1	mg/L	02/26/19	02/27/19 02:45	JP	
Nitrate + Nitrite, as Nitrogen	**14.2**	1	0.018	0.1	mg/L	02/26/19	02/27/19 02:45	JP	
Nitrate, as Nitrogen	**14.2**	1	0.012	0.1	mg/L	02/26/19	02/27/19 02:45	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 02:45	JP	
Sulfate	**131**	10	0.77	10	mg/L	02/26/19	02/27/19 16:34	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.059 J**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	J
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**46**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**626**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**50.3**	1.54	0.77	0.77	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**6.84**	1			pH Units	02/27/19 00:00	02/27/19 10:30	CM	T2
Temp. at Time of pH Measurement	**8.5**	1			°C	02/27/19 00:00	02/27/19 10:30	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**3.88**	5	0.05	0.1	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**11.9**	5	0.15	0.3	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	ND	1	1.5	3	mg/L	02/27/19	02/27/19 10:30	CM	
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**1.34**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.17**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 09:45	**Site:**			
Sample #:	**412842-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.61**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.57**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.550**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**116**	1	0.086	1	mg/L	02/26/19	02/27/19 03:04	JP	
Nitrate + Nitrite, as Nitrogen	**1.96**	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:04	JP	
Nitrate, as Nitrogen	**1.96**	1	0.012	0.1	mg/L	02/26/19	02/27/19 03:04	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:04	JP	
Sulfate	**234**	10	0.77	10	mg/L	02/26/19	02/27/19 16:53	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.612**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**160**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**1330**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**90.2**	2	1	1	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**7.04**	1			pH Units	02/27/19 00:00	02/27/19 10:32	CM	T2
Temp. at Time of pH Measurement	**8.3**	1			°C	02/27/19 00:00	02/27/19 10:32	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.019 J**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	J
Total Phosphorous as PO4	**0.058 J**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	J
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**2 J**	1	1.5	3	mg/L	02/27/19	02/27/19 10:32	CM	J,BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**1.46**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.069**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**730**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 11:00	**Site:**			
Sample #:	**412842-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.68**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**9.22**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	**2.8 J**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.531**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**205**	10	0.86	10	mg/L	02/26/19	02/27/19 17:52	JP	
Nitrate + Nitrite, as Nitrogen	**7.62**	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:24	JP	
Nitrate, as Nitrogen	**7.62**	1	0.012	0.1	mg/L	02/26/19	02/27/19 03:24	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:24	JP	
Sulfate	**252**	10	0.77	10	mg/L	02/26/19	02/27/19 17:52	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**1.6**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**150**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**1070**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**351**	6.67	3.335	3.335	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	**0.18**	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**6.84**	1			pH Units	02/27/19 00:00	02/27/19 10:34	CM	T2
Temp. at Time of pH Measurement	**8.0**	1			°C	02/27/19 00:00	02/27/19 10:34	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	**0.915**	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.036**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.110**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**9**	1	1.5	3	mg/L	02/27/19	02/27/19 10:34	CM	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**5.88**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.074**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**520**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 12:15	**Site:**			
Sample #:	**412842-004**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.60**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**13.1**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1211931
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1211847
Boron	**0.774**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Chloride	**338**	10	0.86	10	mg/L	02/26/19	02/27/19 18:11	JP	
Nitrate + Nitrite, as Nitrogen	**0.09 J**	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:43	JP	J
Nitrate, as Nitrogen	**0.09 J**	1	0.012	0.1	mg/L	02/26/19	02/27/19 03:43	JP	J
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:43	JP	
Sulfate	**381**	10	0.77	10	mg/L	02/26/19	02/27/19 18:11	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**13**	5	0.26	2	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1211808
Turbidity	**230**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1211869
Total Dissolved Solids	**1690**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1211905
Total Suspended Solids	**308**	6.67	3.335	3.335	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1211946
pH	**6.88**	1			pH Units	02/27/19 00:00	02/27/19 10:36	CM	T2
Temp. at Time of pH Measurement	**8.1**	1			°C	02/27/19 00:00	02/27/19 10:36	CM	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211974
Ammonia, as Nitrogen	**11.4**	5	0.05	0.5	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211969
Total Phosphorous as P	**0.334**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.020**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1211831
BOD	**2 J**	1	1.5	3	mg/L	02/27/19	02/27/19 10:36	CM	J
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**4.95**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1211833
MBAS	**0.33**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**51**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 13:00	**Site:**			
Sample #:	**412842-005**	**Client Sample #:**	SMBRP-13	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.48 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**0.11**	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:03	JP	
Nitrate, as Nitrogen	**0.11**	1	0.012	0.1	mg/L	02/26/19	02/27/19 04:03	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:03	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.867**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**2530**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	**0.392**	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**2.38**	5	0.05	0.1	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**7.30**	5	0.15	0.3	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**4.1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**14**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 11:00	**Site:**			
Sample #:	**412842-006**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.94**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**4.55**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID: QC1211931		
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID: QC1211847		
Boron	**1.64**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211761		
Chloride	**877**	50	4.3	50	mg/L	02/26/19	02/28/19 16:00	JP	
Nitrate + Nitrite, as Nitrogen	**3.61**	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:22	JP	
Nitrate, as Nitrogen	**3.61**	1	0.012	0.1	mg/L	02/26/19	02/27/19 04:22	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:22	JP	
Sulfate	**2620**	50	3.85	50	mg/L	02/26/19	02/28/19 16:00	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1211991		
Total Kjeldahl Nitrogen	**0.939**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID: QC1211806		
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID: QC1211808		
Turbidity	**3.5**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID: QC1211807		
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1211869		
Total Dissolved Solids	**5930**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID: QC1211905		
Total Suspended Solids	**1.1**	1.11	0.555	0.555	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1211772		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1211946		
pH	**7.19**	1			pH Units	02/27/19 00:00	02/27/19 10:38	CM	T2
Temp. at Time of pH Measurement	**8.1**	1			°C	02/27/19 00:00	02/27/19 10:38	CM	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1211974		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1211969		
Total Phosphorous as P	**0.378**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.159**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID: QC1211831		
BOD	**7**	1	1.5	3	mg/L	02/27/19	02/27/19 10:38	CM	BQ1
Method: SM 5310B Prep Method: Method							QCBatchID: QC1212027		
Total Organic Carbon (TOC)	**15.6**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1211833		
MBAS	**0.097**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1211756		
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**16**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 12:15	**Site:**			
Sample #:	**412842-007**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.17 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.09**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	**3.8 J**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.703**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**408**	10	0.86	10	mg/L	02/26/19	02/27/19 19:10	JP	
Nitrate + Nitrite, as Nitrogen	**1.20**	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:42	JP	
Nitrate, as Nitrogen	**1.20**	1	0.012	0.1	mg/L	02/26/19	02/27/19 04:42	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:42	JP	
Sulfate	**463**	10	0.77	10	mg/L	02/26/19	02/27/19 19:10	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.886**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**5.6**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**1800**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**5.6**	1.11	0.555	0.555	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**7.39**	1			pH Units	02/27/19 00:00	02/27/19 10:40	CM	T2
Temp. at Time of pH Measurement	**8.4**	1			°C	02/27/19 00:00	02/27/19 10:40	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	**0.713**	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.321**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.984**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**7**	1	1.5	3	mg/L	02/27/19	02/27/19 10:40	CM	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**5.58**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.54**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**1.0**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**64**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 10:00	**Site:**			
Sample #:	**412842-008**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.69**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**5.18**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	**4.2 J**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.352**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**181**	10	0.86	10	mg/L	02/26/19	02/27/19 19:29	JP	
Nitrate + Nitrite, as Nitrogen	**4.47**	1	0.018	0.1	mg/L	02/26/19	02/27/19 05:01	JP	
Nitrate, as Nitrogen	**4.47**	1	0.012	0.1	mg/L	02/26/19	02/27/19 05:01	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 05:01	JP	
Sulfate	**249**	10	0.77	10	mg/L	02/26/19	02/27/19 19:29	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.707**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**150**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**1150**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**336**	10	5	5	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**7.31**	1			pH Units	02/27/19 00:00	02/27/19 10:42	CM	T2
Temp. at Time of pH Measurement	**8.7**	1			°C	02/27/19 00:00	02/27/19 10:42	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	**0.015 J**	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.351**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.076**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**10**	1	1.5	3	mg/L	02/27/19	02/27/19 10:42	CM	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**4.20**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.12**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**11**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**550**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 09:30	**Site:**			
Sample #:	**412842-009**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.84**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.59**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	**3.6 J**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.094**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**18.4**	1	0.086	1	mg/L	02/26/19	02/27/19 19:49	JP	
Nitrate + Nitrite, as Nitrogen	**0.75**	1	0.018	0.1	mg/L	02/26/19	02/27/19 05:21	JP	
Nitrate, as Nitrogen	**0.75**	1	0.012	0.1	mg/L	02/26/19	02/27/19 05:21	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 05:21	JP	
Sulfate	**47.6**	1	0.077	1	mg/L	02/26/19	02/27/19 05:21	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.837**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**130**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**238**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**166**	5	2.5	2.5	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**7.32**	1			pH Units	02/27/19 00:00	02/27/19 10:45	CM	T2
Temp. at Time of pH Measurement	**9.3**	1			°C	02/27/19 00:00	02/27/19 10:45	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.290**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.889**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**27**	1	1.5	3	mg/L	02/27/19	02/27/19 10:45	CM	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**11.1**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**13**	12.5	0.0875	0.5	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**50**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

QCBatchID: QC1211761 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/26/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211761MB1					
Chloride	**0.9 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	**0.2 J**	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211761LCS1											
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.96		mg/L	99			90-110		
Nitrite, as Nitrogen	9.15		9.48		mg/L	104			90-110		
Sulfate	50		49.0		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211761MS1, QC1211761MSD1												**Source: 412841-001**
Chloride	18700	20000	20000	38000	37400	mg/L	97	94	1.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	7.75	8.48	mg/L	86	94	9.0	80-120	20	
Nitrite, as Nitrogen	ND	1830	1830	2150	2070	mg/L	117	113	3.8	80-120	20	
Sulfate	2560	10000	10000	12900	12200	mg/L	103	96	5.6	80-120	20	
QC1211761MS2, QC1211761MSD2												**Source: 412841-002**
Chloride	18900	20000	20000	39700	37700	mg/L	104	94	5.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	8.48	8.54	mg/L	94	95	0.7	80-120	20	
Nitrite, as Nitrogen	ND	1830	1830	2320	2220	mg/L	127	121	4.4	80-120	20	M
Sulfate	2520	10000	10000	11900	12000	mg/L	94	95	0.8	80-120	20	

QCBatchID: QC1211772 **Analyst:** wei **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 02/26/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211772MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211772LCS1											
Chlorine, Total Residual	1		0.99		mg/L	99			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211772DUP1						**Source: 412842-004**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1211806**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	02/26/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211806DUP1						**Source: 412842-009**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1211807**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	02/26/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211807DUP1						**Source: 412842-009**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1211808**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	02/26/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211808DUP1						**Source: 412842-009**
Turbidity	130	130	NTU	0.0	20	

QCBatchID: QC1211831	**Analyst:** wei		**Method:** SM 5210-B		
Matrix: Water	**Analyzed:** 02/27/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211831MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211831LCS1											
BOD	198		175		mg/L	88			84.6-115.4		

QCBatchID: QC1211833 **Analyst:** wei **Method:** SM 5540-C

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211833MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211833LCS1											
MBAS	1		0.99		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211833MS1, QC1211833MSD1												**Source: 412871-001**
MBAS	0.019	1	1	0.95	0.93	mg/L	93	91	2.1	75-125	20	

QCBatchID: QC1211847 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 02/28/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211847MB1					
Boron	**0.039 J**	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.004	0.01	
Lead	ND	mg/L	0.005	0.01	
Molybdenum	ND	mg/L	0.005	0.01	
Nickel	ND	mg/L	0.003	0.01	
Selenium	**0.018 J**	mg/L	0.016	0.03	
Silver	ND	mg/L	0.003	0.005	
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211847LCS1											
Boron	2		1.98		mg/L	99			85-115		
Cadmium	2		1.89		mg/L	95			85-115		
Chromium	2		1.97		mg/L	99			85-115		
Copper	2		1.95		mg/L	98			85-115		
Lead	2		1.80		mg/L	90			85-115		
Molybdenum	2		1.96		mg/L	98			85-115		
Nickel	2		1.83		mg/L	92			85-115		
Selenium	2		1.83		mg/L	92			85-115		
Silver	2		1.82		mg/L	91			85-115		
Zinc	2		1.89		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211847MS1												**Source: 412803-001**
Boron	0.573	1		1.54		mg/L	97			75-125		
Cadmium	0.037	1		0.969		mg/L	93			75-125		
Chromium	0.011	1		0.963		mg/L	95			75-125		
Copper	0.005	1		0.993		mg/L	99			75-125		
Lead	ND	1		0.839		mg/L	84			75-125		
Molybdenum	0.020	1		0.963		mg/L	94			75-125		
Nickel	0.006	1		0.882		mg/L	88			75-125		
Selenium	ND	1		0.893		mg/L	89			75-125		
Silver	0.004	1		0.892		mg/L	89			75-125		
Zinc	0.026	1		0.952		mg/L	93			75-125		
QC1211847MS2												**Source: 412803-004**
Boron	0.494	1		1.50		mg/L	101			75-125		
Cadmium	0.169	1		1.11		mg/L	94			75-125		
Chromium	0.011	1		0.975		mg/L	96			75-125		
Copper	0.006	1		0.992		mg/L	99			75-125		
Lead	ND	1		0.844		mg/L	84			75-125		
Molybdenum	0.020	1		0.969		mg/L	95			75-125		
Nickel	0.012	1		0.936		mg/L	92			75-125		
Selenium	ND	1		0.868		mg/L	87			75-125		
Silver	ND	1		1.11		mg/L	111			75-125		
Zinc	0.013	1		0.938		mg/L	93			75-125		

QCBatchID: QC1211869 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211869MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211869LCS1											
Total Dissolved Solids	1000		1010		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211869DUP1						**Source: 412842-006**
Total Dissolved Solids	5930	6140	mg/L	3.5	5	

QCBatchID: QC1211905	**Analyst:** Echavez		**Method:** SM 2540-D		
Matrix: Water	**Analyzed:** 02/28/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211905MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211905DUP1						**Source: 412842-009**
Total Suspended Solids	166	167	mg/L	0.6	5	

QCBatchID: QC1211931 **Analyst:** trinh **Method:** EPA 1664A

Matrix: Water **Analyzed:** 03/04/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211931MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1211931LCS1, QC1211931LCSD1											
Non-Polar Oil and Grease	20	20	18.3	20.1	mg/L	92	101	9	64-132	34	
Total Oil and Grease	40	40	38.5	44.9	mg/L	96	112	15	78-114	18	

QCBatchID:	**QC1211946**	**Analyst:**	Echavez	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	03/04/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211946DUP1						**Source: 412842-001**
pH	6.84	6.84	pH Units	0.0	20	
Temp. at Time of pH Measurement	8.5	8.5	°C	0.0	20	

QCBatchID: QC1211969 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 03/04/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211969MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969LCS1											
Total Phosphorous as P	0.4		0.404		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.239		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969MS1, QC1211969MSD1												**Source: 412876-001**
Total Phosphorous as P	0.024	0.8	0.8	0.892	0.896	mg/L	109	109	0.4	75-125	20	
Total Phosphorous as PO4	0.074	2.46	2.46	2.74	2.75	mg/L	108	109	0.4	75-125	20	

QCBatchID: QC1211974 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211974MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211974LCS1											
Ammonia, as Nitrogen	5		4.73		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211974MS1, QC1211974MSD1												**Source: 412871-001**
Ammonia, as Nitrogen	ND	5	5	3.86	3.85	mg/L	77	77	0.3	80-120	20	M

QCBatchID: QC1211991 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211991MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991MS1, QC1211991MSD1												**Source: 412842-006**
Total Kjeldahl Nitrogen	0.939	12.5	12.5	15	15	mg/L	112	112	0.0	80-120	20	

QCBatchID: QC1212027 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1212027MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1212027LCS1											
Total Organic Carbon (TOC)	10		10.1		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1212027MS1, QC1212027MSD1												**Source: 412871-001**
Total Organic Carbon (TOC)	1.20	20	20	21.5	24.6	mg/L	102	117	13.4	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
806 N. Batavia St., Orange, CA 92868	Lab No: 412042	Standard: ✓ / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714)771-9933	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants,	Name:	Malibu (GW) Civic Center
Report To:	Peter Doran	Number:	
Email:	pdoran@rinconconsultants.com	P.O. #:	15-01597
Address:	128 N Ashwood	Address:	
	Ventura CA		
Phone:	805-644-4455	Global ID:	
Fax:		Sampled By:	Peter D. Nicon.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: SEE BOTTLES	Test Instructions / Comments
1	LAMW-5S		1030	W	VARIOUS	VARIOUS	X	
2	SMBRP-9		0945				X	
3	SMBRP-11		1100				X	
4	SMBRP-12		1215				X	
5	SMBRP-13		1300				X	
6	MCWP-MW04S		1100				X	
7	MCWP-MW09		1215				X	
8	MCWP-MW07S		1000				X	
9	MCWP-MW07D		0930				X	
10								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Peter Doran	Rincon / Env. Sci	2.26.19 / 1345
1 Received By:		Hao Nan	Enthalpy	2-26-19 1346
2 Relinquished By:		Hao Nan	"	2-26-19 1605
2 Received By:		Zaid Padilla	ENTH	2/26/19 1605
3 Relinquished By:				
3 Received By:				

2.21.6 6.1.2.7

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu- (GW) Civic Center

Date Received: 2/26/19

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.2 #2: 6.1 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: 2.7 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/26/19

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 412842	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
	LAMW-5S						X	X	X	X	X	X	X	X			
	SMBRP-9						X	X	X	X	X	X	X	X			
	SMBRP-11						X	X	X	X	X	X	X	X			
	SMBRP-12						X	X	X	X	X	X	X	X			
	MCWP-MW04S ✓						X	X	X	X	X	X	X	X			
	MCWP-MW04D						X	X	X	X	X	X	X	X			
	MCWP-MW07S ✓						X	X	X	X	X	X	X	X			
	MCWP-MW07D ✓						X	X	X	X	X	X	X	X			
	MCWP-MW09 ✓						X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:				
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 412842				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	1	of	1	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen							Test Instructions / Comments
	SMBRP-13 ✓						X	X	X	X							
	MCWP-MW10						X	X	X	X							
	CCPE						X	X	X	X							
	MBCMW-9						X	X	X	X							
	SMBRP-7B						X	X	X	X							

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:				
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412869
Report Date: 03/07/2019
Date Received: 02/27/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412869-001	MCWP-MW06

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/27/2019 09:30	**Site:**			
Sample #:	**412869-001**	**Client Sample #:**	MCWP-MW06	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211825		
Nitrate, as Nitrogen	**4.25**	1	0.012	0.1	mg/L	02/27/19	02/28/19 10:44	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1211868		
Total Dissolved Solids	**1300**	2	20	20	mg/L	02/28/19	03/01/19	WW	

QCBatchID: QC1211825 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211825MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**0.845 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825LCS1											
Bromide	15		15.4		mg/L	103			90-110		
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.79		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		9.01		mg/L	98			90-110		
Sulfate	50		47.7		mg/L	95			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825MS1, QC1211825MSD1												**Source: 412875-001**
Bromide	0.193	15	15	14.5	16.7	mg/L	95	110	14.1	80-120	20	
Chloride	63.7	100	100	165	167	mg/L	101	103	1.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.08	9.34	mg/L	101	103	2.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.2	11.1	mg/L	111	121	8.5	80-120	20	M
Sulfate	14.2	50	50	62.3	61.8	mg/L	96	95	0.8	80-120	20	

QCBatchID: QC1211868 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211868MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211868LCS1											
Total Dissolved Solids	1000		1060		mg/L	106			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211868DUP1						**Source: 412860-001**
Total Dissolved Solids	344	330	mg/L	4.2	5	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record					Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 412869					Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	1			2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other					**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBRTALIK@RinconConsultants.com	P.O. #:	15-01597
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	PETER D. NICOLAS

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 300.0: NO3	TDS								Test Instructions / Comments
~~MCWP-MW05~~						X	X								PD
MCWP-MW06	2.27.19	0930	W	VARIOUS	VARIOUS	X	X								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER, DORAN	Rincon / ENV. SCI.	2.27.19 / 1315
[1] Received By:			Enthalpy	2/27/19 1315
[2] Relinquished By:			Enthalpy	2/27/19 1515
[2] Received By:		Carina Glacum	EA	2.27.19 1530
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly / Semi-Annual

Date Received: 2/27/19

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2.27.19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412905
Report Date: 03/07/2019
Date Received: 02/28/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412905-001	MCWP-MW05

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/28/2019 11:25	**Site:**			
Sample #:	**412905-001**	**Client Sample #:**	MCWP-MW05	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211824		
Nitrate, as Nitrogen	**1.97**	1	0.012	0.1	mg/L	02/27/19	02/28/19 15:40	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1211983		
Total Dissolved Solids	**1220**	2	20	20	mg/L	03/05/19	03/06/19	WW	

QCBatchID: QC1211824 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211824MB1					
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211824LCS1											
Nitrate, as Nitrogen	9.03		8.80		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		8.96		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211824MS1, QC1211824MSD1												**Source: 412857-001**
Nitrate, as Nitrogen	3.27	9.03	9.03	12.4	12.3	mg/L	101	100	0.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.6	10.6	mg/L	116	116	0.0	80-120	20	

QCBatchID: QC1211983 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211983MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211983LCS1											
Total Dissolved Solids	1000		947		mg/L	95			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211983DUP1						**Source: 412899-001**
Total Dissolved Solids	4350	4370	mg/L	0.5	5	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record									Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No:	412905								Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	1	of	1						2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other									Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group															
1 Park Plaza, Suite 1000, Irvine, CA 92614															

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@RinconConsultants.com	P.O. #:	15-01597
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN.

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 300.0: NO3	TDS								Test Instructions / Comments
MCWP-MW05	2.28.19	1125	W	2/1,0.5L	NONE	X	X								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		PETER DORAN	Rincon/ENV. SCI	2.28.19 / 1210
1 Received By:			Enthalpy	2/28/19 1210
2 Relinquished By:			Enthalpy	2/28/19 1447
2 Received By:			FA	2/28/19 1447
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants - Ventura Project: Malibu

Date Received: 2/28/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 12.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/28/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412899
Report Date: 03/11/2019
Date Received: 02/28/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412899-001	MBCMW-9
412899-002	SMBRP-7B

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/28/2019 10:15 **Site:**
Sample #: 412899-001 **Client Sample #:** MBCMW-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.5	mg/L		03/07/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211824
Nitrate, as Nitrogen	**0.05 J**	1	0.012	0.1	mg/L	02/27/19	02/28/19 15:01	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 15:01	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211983
Total Dissolved Solids	**4350**	4	40	40	mg/L	03/05/19	03/06/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211967
Total Phosphorous as P	**0.317**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.972**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211861
Fecal Coliform	**1700**	1			MPN/100ml	02/28/19 14:51	03/01/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	02/28/19 14:51	03/01/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/28/2019 11:00 **Site:**
Sample #: 412899-002 **Client Sample #:** SMBRP-7B **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.08 J**	1	0.04	0.5	mg/L		03/07/19	SLL	J
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211824
Nitrate, as Nitrogen	**2.92**	1	0.012	0.1	mg/L	02/27/19	02/28/19 15:21	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 15:21	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.077 J**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	J
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211983
Total Dissolved Solids	**1950**	2	20	20	mg/L	03/05/19	03/06/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211967
Total Phosphorous as P	**0.204**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.626**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211861
Fecal Coliform	**4.1**	1			MPN/100ml	02/28/19 14:51	03/01/19	LH	
Total Coliform	**190**	1			MPN/100ml	02/28/19 14:51	03/01/19	LH	

QCBatchID: QC1211824 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211824MB1					
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211824LCS1											
Nitrate, as Nitrogen	9.03		8.80		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		8.96		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211824MS1, QC1211824MSD1												**Source: 412857-001**
Nitrate, as Nitrogen	3.27	9.03	9.03	12.4	12.3	mg/L	101	100	0.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.6	10.6	mg/L	116	116	0.0	80-120	20	

QCBatchID: QC1211896 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211896MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211896LCS1											
Ammonia, as Nitrogen	5		5.19		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211896MS1, QC1211896MSD1												**Source: 412841-001**
Ammonia, as Nitrogen	ND	5	5	4.71	4.71	mg/L	94	94	0.0	80-120	20	

QCBatchID: QC1211967	**Analyst:** trinh		**Method:** SM 4500-P-B-5-E		
Matrix: Water	**Analyzed:** 03/04/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211967MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1211967LCS1											
Total Phosphorous as P	0.4		0.433		mg/L	108			80-120		
Total Phosphorous as PO4	1.23		1.328		mg/L	108			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1211967MS1, QC1211967MSD1												**Source: 412899-002**
Total Phosphorous as P	0.204	1	1	1.212	1.212	mg/L	101	101	0.0	75-125	20	
Total Phosphorous as PO4	0.626	3.066	3.066	3.72	3.72	mg/L	101	101	0.0	75-125	20	

QCBatchID: QC1211983 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211983MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211983LCS1											
Total Dissolved Solids	1000		947		mg/L	95			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211983DUP1						**Source: 412899-001**
Total Dissolved Solids	4350	4370	mg/L	0.5	5	

QCBatchID: QC1211991 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211991MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991MS1, QC1211991MSD1												**Source: 412842-006**
Total Kjeldahl Nitrogen	0.939	12.5	12.5	15	15	mg/L	112	112	0.0	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 412899	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@RinconConsultants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
MBCMW-9	2-28-19	1015	W	5/Various	None/4	X	X	X	X	
SMBRP-7B	2-28-19	1100	"	5/Various	"	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Env. Sci. / Rincon	2-28-19 / 1210
[1] Received By:			Enthalpy	2/28/19 1210
[2] Relinquished By:			Enthalpy	2/28/19 1444
[2] Received By:			GT	2/28/19 1444
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants - Ventura Project: Malibu

Date Received: 2/28/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 12.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/28/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412871
Report Date: 03/11/2019
Date Received: 02/27/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412871-001	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/27/2019 13:00	**Site:**			
Sample #:	**412871-001**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.72**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID: QC1211931		
Total Oil and Grease	**8.6**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID: QC1211847		
Boron	**0.798**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID: QC1211825		
Chloride	**249**	50	4.3	50	mg/L	02/27/19	02/28/19 12:25	JP	
Nitrate + Nitrite, as Nitrogen	**1.72**	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:42	JP	
Nitrate, as Nitrogen	**1.72**	1	0.012	0.1	mg/L	02/27/19	02/28/19 11:42	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:42	JP	
Sulfate	**555**	50	3.85	50	mg/L	02/27/19	02/28/19 12:25	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID: QC1211991		
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID: QC1211913		
Color	ND	1	5	5	Color Unit		02/28/19 18:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID: QC1211915		
Turbidity	**0.22**	1	0.074	0.1	NTU		02/28/19 18:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID: QC1211914		
Odor Threshold	ND	1	1	1	T.O.N		02/28/19 18:00	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID: QC1211869		
Total Dissolved Solids	**1630**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID: QC1211907		
Total Suspended Solids	ND	1.11	0.555	0.555	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID: QC1211839		
Chlorine, Total Residual	**0.02 J**	1	0.016	0.1	mg/L		02/27/19 17:58	WW	J,T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID: QC1211897		
pH	**7.08**	1			pH Units		02/28/19 18:00	EC	T2
Temp. at Time of pH Measurement	**22.0**	1			°C		02/28/19 18:00	EC	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID: QC1211974		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID: QC1211969		
Total Phosphorous as P	**0.069**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.212**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID: QC1211841		
BOD	ND	1	1.5	3	mg/L	02/27/19	02/27/19 17:40	WW	
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1212027		
Total Organic Carbon (TOC)	**1.20**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID: QC1211833		
MBAS	**0.019 J**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	J
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1211827		
Fecal Coliform	**<1**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	
Total Coliform	**<1**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	

QCBatchID: QC1211825 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211825MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**0.845 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825LCS1											
Bromide	15		15.4		mg/L	103			90-110		
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.79		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		9.01		mg/L	98			90-110		
Sulfate	50		47.7		mg/L	95			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825MS1, QC1211825MSD1												**Source: 412875-001**
Bromide	0.193	15	15	14.5	16.7	mg/L	95	110	14.1	80-120	20	
Chloride	63.7	100	100	165	167	mg/L	101	103	1.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.08	9.34	mg/L	101	103	2.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.2	11.1	mg/L	111	121	8.5	80-120	20	M
Sulfate	14.2	50	50	62.3	61.8	mg/L	96	95	0.8	80-120	20	

QCBatchID: QC1211833 **Analyst:** wei **Method:** SM 5540-C

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211833MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211833LCS1											
MBAS	1		0.99		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211833MS1, QC1211833MSD1												**Source: 412871-001**
MBAS	0.019	1	1	0.95	0.93	mg/L	93	91	2.1	75-125	20	

QCBatchID: QC1211839	**Analyst:** wei	**Method:** SM 4500-Cl	
Matrix: Water	**Analyzed:** 02/27/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211839MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211839LCS1											
Chlorine, Total Residual	1		1.02		mg/L	102			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211839DUP1						**Source: 412882-002**
Chlorine, Total Residual	25.2	25.2	mg/L	0.0	20	

QCBatchID:	**QC1211841**	**Analyst:**	wei	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	02/27/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211841MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211841LCS1											
BOD	198		176		mg/L	89			84.6-115.4		

QCBatchID: QC1211847 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 02/28/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211847MB1					
Boron	**0.039 J**	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.004	0.01	
Lead	ND	mg/L	0.005	0.01	
Molybdenum	ND	mg/L	0.005	0.01	
Nickel	ND	mg/L	0.003	0.01	
Selenium	**0.018 J**	mg/L	0.016	0.03	
Silver	ND	mg/L	0.003	0.005	
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211847LCS1											
Boron	2		1.98		mg/L	99			85-115		
Cadmium	2		1.89		mg/L	95			85-115		
Chromium	2		1.97		mg/L	99			85-115		
Copper	2		1.95		mg/L	98			85-115		
Lead	2		1.80		mg/L	90			85-115		
Molybdenum	2		1.96		mg/L	98			85-115		
Nickel	2		1.83		mg/L	92			85-115		
Selenium	2		1.83		mg/L	92			85-115		
Silver	2		1.82		mg/L	91			85-115		
Zinc	2		1.89		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211847MS1												**Source: 412803-001**
Boron	0.573	1		1.54		mg/L	97			75-125		
Cadmium	0.037	1		0.969		mg/L	93			75-125		
Chromium	0.011	1		0.963		mg/L	95			75-125		
Copper	0.005	1		0.993		mg/L	99			75-125		
Lead	ND	1		0.839		mg/L	84			75-125		
Molybdenum	0.020	1		0.963		mg/L	94			75-125		
Nickel	0.006	1		0.882		mg/L	88			75-125		
Selenium	ND	1		0.893		mg/L	89			75-125		
Silver	0.004	1		0.892		mg/L	89			75-125		
Zinc	0.026	1		0.952		mg/L	93			75-125		
QC1211847MS2												**Source: 412803-004**
Boron	0.494	1		1.50		mg/L	101			75-125		
Cadmium	0.169	1		1.11		mg/L	94			75-125		
Chromium	0.011	1		0.975		mg/L	96			75-125		
Copper	0.006	1		0.992		mg/L	99			75-125		
Lead	ND	1		0.844		mg/L	84			75-125		
Molybdenum	0.020	1		0.969		mg/L	95			75-125		
Nickel	0.012	1		0.936		mg/L	92			75-125		
Selenium	ND	1		0.868		mg/L	87			75-125		
Silver	ND	1		1.11		mg/L	111			75-125		
Zinc	0.013	1		0.938		mg/L	93			75-125		

QCBatchID: QC1211869 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211869MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211869LCS1											
Total Dissolved Solids	1000		1010		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211869DUP1						**Source: 412842-006**
Total Dissolved Solids	5930	6140	mg/L	3.5	5	

QCBatchID:	**QC1211897**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	02/28/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211897DUP1						**Source: 412871-001**
pH	7.08	7.10	pH Units	0.3	20	
Temp. at Time of pH Measurement	22.0	22.0	°C	0.0	20	

QCBatchID: QC1211907	**Analyst:** Echavez		**Method:** SM 2540-D		
Matrix: Water	**Analyzed:** 02/28/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211907MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211907DUP1						**Source: 412868-003**
Total Suspended Solids	49.6	48.8	mg/L	1.6	5	

QCBatchID:	**QC1211913**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	02/28/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211913DUP1						**Source: 412871-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1211914**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	02/28/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211914DUP1						**Source: 412871-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1211915**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	02/28/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211915DUP1						**Source: 412871-001**
Turbidity	0.22	0.22	NTU	0.0	20	

QCBatchID: QC1211931	**Analyst:** trinh	**Method:** EPA 1664A	
Matrix: Water	**Analyzed:** 03/04/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211931MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1211931LCS1, QC1211931LCSD1											
Non-Polar Oil and Grease	20	20	18.3	20.1	mg/L	92	101	9	64-132	34	
Total Oil and Grease	40	40	38.5	44.9	mg/L	96	112	15	78-114	18	

QCBatchID: QC1211969 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 03/04/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211969MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969LCS1											
Total Phosphorous as P	0.4		0.404		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.239		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969MS1, QC1211969MSD1												**Source: 412876-001**
Total Phosphorous as P	0.024	0.8	0.8	0.892	0.896	mg/L	109	109	0.4	75-125	20	
Total Phosphorous as PO4	0.074	2.46	2.46	2.74	2.75	mg/L	108	109	0.4	75-125	20	

QCBatchID: QC1211974 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211974MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211974LCS1											
Ammonia, as Nitrogen	5		4.73		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211974MS1, QC1211974MSD1												**Source: 412871-001**
Ammonia, as Nitrogen	ND	5	5	3.86	3.85	mg/L	77	77	0.3	80-120	20	M

QCBatchID: QC1211991 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211991MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991MS1, QC1211991MSD1												**Source: 412842-006**
Total Kjeldahl Nitrogen	0.939	12.5	12.5	15	15	mg/L	112	112	0.0	80-120	20	

QCBatchID: QC1212027 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1212027MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1212027LCS1											
Total Organic Carbon (TOC)	10		10.1		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1212027MS1, QC1212027MSD1												**Source: 412871-001**
Total Organic Carbon (TOC)	1.20	20	20	21.5	24.6	mg/L	102	117	13.4	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 538-1209	Lab No: 412871 Page: 1 of 1	Standard: X 4 Day: 3 Day: 2 Day: 1 Day: Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBRTALIK@RINCONCONSULTANTS.COM	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	PETER D. NICOLAU

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	X			PD
~~SMBRP-9~~						X	X	X	X	X	X	X	X			PD
~~SMBRP-11~~						X	X	X	X	X	X	X	X			PD
~~SMBRP-12~~						X	X	X	X	X	X	X	X			PD
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			PD
MCWP-MW04D	2.27.19	1300	W	VARIOUS	VARIOUS	X	X	X	X	X	X	X	X			
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X			PD
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X			PD
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			PD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	RINCON / ENV. SCI.	2.27.19 / 1315
[1] Received By:			Enthalpy	2/27/19 1315
[2] Relinquished By:			Enthalpy	2/27/19 1515
[2] Received By:		Carina Gaccum	EA	2.27.19 1530
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly / Semi-Annual

Date Received: 2/27/19

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)		✓	
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Oil + Grease bottle ID did not match COC

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: RC 2-27 Date/Time _____

☑ Email (email sent to/on): RC / 2-27-19

Project Manager's response:

Completed By: _____ Date: 2-27-19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412870
Report Date: 03/11/2019
Date Received: 02/27/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412870-001	MCWP-MW10
412870-002	CCPE

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/27/2019 10:15 **Site:**
Sample #: 412870-001 **Client Sample #:** MCWP-MW10 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.50**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211825
Nitrate + Nitrite, as Nitrogen	**1.12**	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:03	JP	
Nitrate, as Nitrogen	**1.12**	1	0.012	0.1	mg/L	02/27/19	02/28/19 11:03	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:03	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.502**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211870
Total Dissolved Solids	**2060**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211972
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.379**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.162**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211827
Fecal Coliform	**5.2**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/27/2019 10:50 **Site:**
Sample #: 412870-002 **Client Sample #:** CCPE **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**1.30**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211825
Nitrate + Nitrite, as Nitrogen	**1.10**	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:23	JP	
Nitrate, as Nitrogen	**1.10**	1	0.012	0.1	mg/L	02/27/19	02/28/19 11:23	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:23	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**1.3**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211870
Total Dissolved Solids	**672**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211972
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.240**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.736**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211827
Fecal Coliform	**580**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	
Total Coliform	**1400**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	

QCBatchID: QC1211825 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211825MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**0.845 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825LCS1											
Bromide	15		15.4		mg/L	103			90-110		
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.79		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		9.01		mg/L	98			90-110		
Sulfate	50		47.7		mg/L	95			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825MS1, QC1211825MSD1												**Source: 412875-001**
Bromide	0.193	15	15	14.5	16.7	mg/L	95	110	14.1	80-120	20	
Chloride	63.7	100	100	165	167	mg/L	101	103	1.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.08	9.34	mg/L	101	103	2.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.2	11.1	mg/L	111	121	8.5	80-120	20	M
Sulfate	14.2	50	50	62.3	61.8	mg/L	96	95	0.8	80-120	20	

QCBatchID: QC1211870	**Analyst:** wei	**Method:** SM 2540-C	
Matrix: Water	**Analyzed:** 03/01/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211870MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211870LCS1											
Total Dissolved Solids	1000		990		mg/L	99			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211870DUP1						**Source: 412870-001**
Total Dissolved Solids	2060	2100	mg/L	1.9	5	

QCBatchID: QC1211969	**Analyst:** trinh	**Method:** SM 4500-P-B-5-E	
Matrix: Water	**Analyzed:** 03/04/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211969MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969LCS1											
Total Phosphorous as P	0.4		0.404		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.239		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969MS1, QC1211969MSD1												**Source: 412876-001**
Total Phosphorous as P	0.024	0.8	0.8	0.892	0.896	mg/L	109	109	0.4	75-125	20	
Total Phosphorous as PO4	0.074	2.46	2.46	2.74	2.75	mg/L	108	109	0.4	75-125	20	

QCBatchID: QC1211972 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211972MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211972LCS1											
Ammonia, as Nitrogen	5		4.83		mg/L	97			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211972MS1, QC1211972MSD1												**Source: 412870-002**
Ammonia, as Nitrogen	ND	5	5	5.72	6.08	mg/L	114	122	6.1	80-120	20	M

QCBatchID: QC1211991	**Analyst:** trinh		**Method:** EPA 351.2		
Matrix: Water	**Analyzed:** 03/05/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211991MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991MS1, QC1211991MSD1												**Source: 412842-006**
Total Kjeldahl Nitrogen	0.939	12.5	12.5	15	15	mg/L	112	112	0.0	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 412870				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@RinconConsultants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN N. NAVARRO

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
~~SMBRP-13~~						X	X	X	X	PD
MCWP-MW10	2.27.19	1015	W	VARIOUS	VARIOUS	X	X	X	X	
CCPE	2.27.19	1050	W	1	1	X	X	X	X	
~~MBCMW-9~~						X	X	X	X	PD
~~SMBRP-7B~~						X	X	X	X	PD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Rincon / ENV. SCI.	2.27.19 / 1315
[1] Received By:			Enthalpy	2/27/19 1315
[2] Relinquished By:			Enthalpy	2/27/19 1515
[2] Received By:		Carina Racuya	EA	2.27.19 1530
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly / Semi-Annual

Date Received: 2/27/19

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2.27.19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly - Surface Water
15-01587

Lab Request: 415083
Report Date: 05/17/2019
Date Received: 05/08/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
415083-001	N-001
415083-002	N-002
415083-003	N-003
415083-004	N-004
415083-005	L-001
415083-006	L-002
415083-007	L-003
415083-008	L-004
415083-009	L-005
415083-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:00 **Site:**
Sample #: 415083-001 **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	05/09/19	05/09/19 22:45	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	05/09/19	05/09/19 22:45	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**0.054 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.198**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.607**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**1.0**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**100**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:15 **Site:**
Sample #: 415083-002 **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	05/09/19	05/09/19 23:12	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	05/09/19	05/09/19 23:12	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.105**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.322**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**6.3**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**650**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:30 **Site:**
Sample #: 415083-003 **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	05/09/19	05/09/19 23:39	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	05/09/19	05/09/19 23:39	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.060**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.184**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**1.0**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**770**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 10:20 **Site:**
Sample #: 415083-004 **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	05/09/19	05/10/19 00:06	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	05/09/19	05/10/19 00:06	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.152**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.466**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**<1**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**870**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 12:00 **Site:**
Sample #: 415083-005 **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.30 J**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	**0.16**	1	0.012	0.1	mg/L	05/09/19	05/11/19 09:24	JP	T5
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/09/19	05/10/19 00:33	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**0.295 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.253**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.776**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**30**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**2000**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 12:35 **Site:**
Sample #: 415083-006 **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.27 J**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	**0.36**	1	0.012	0.1	mg/L	05/09/19	05/11/19 09:52	JP	T5
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	05/09/19	05/10/19 09:33	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**0.266 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.255**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.782**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**29**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 12:10 **Site:**
Sample #: 415083-007 **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.55**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1201861		
Nitrate, as Nitrogen	**0.15**	1	0.012	0.1	mg/L	05/09/19	05/11/19 10:19	JP	T5
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	05/09/19	05/10/19 10:00	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1201879		
Total Kjeldahl Nitrogen	**0.548**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1201922		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1202067		
Total Phosphorous as P	**0.245**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.751**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1201779		
Fecal Coliform	**30**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:45 **Site:**
Sample #: 415083-008 **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.37 J**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1201861		
Nitrate, as Nitrogen	**0.06 J**	1	0.012	0.1	mg/L	05/09/19	05/11/19 05:44	JP	J,T5
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	05/09/19	05/10/19 10:27	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1201879		
Total Kjeldahl Nitrogen	**0.370 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1201922		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1202067		
Total Phosphorous as P	**0.153**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.469**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1201779		
Fecal Coliform	**61**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 12:20 **Site:**
Sample #: 415083-009 **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.21 J**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201861
Nitrate, as Nitrogen	**0.20**	1	0.012	0.1	mg/L	05/09/19	05/10/19 12:15	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	05/09/19	05/10/19 11:21	JP	D2
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**0.208 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.242**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.742**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**56**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:40 **Site:**
Sample #: 415083-010 **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**3.70**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201861
Nitrate, as Nitrogen	**0.07 J**	1	0.012	0.1	mg/L	05/09/19	05/11/19 08:57	JP	J,T5
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	05/09/19	05/10/19 10:54	JP	D2
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**3.7**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.631**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**1.935**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**1300**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

QCBatchID: QC1201861 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201861MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201861LCS1											
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.81		mg/L	98			90-110		
Nitrate, as NO3	40		39.0		mg/L	98			90-110		
Nitrite, as Nitrogen	9.15		9.31		mg/L	102			90-110		
Sulfate	50		48.0		mg/L	96			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201861MS1, QC1201861MSD1												**Source: 415124-001**
Chloride	12.5	100	100	114	113	mg/L	102	101	0.9	80-120	20	
Nitrate, as Nitrogen	1.59	9.03	9.03	10.3	10.3	mg/L	96	96	0.0	80-120	20	
Nitrate, as NO3	7.06	40	40	45.5	45.6	mg/L	96	96	0.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.14	9.23	mg/L	100	101	1.0	80-120	20	
Sulfate	18.7	50	50	66.3	66.9	mg/L	95	96	0.9	80-120	20	
QC1201861MS2, QC1201861MSD2												**Source: 415124-002**
Chloride	12.0	100	100	118	113	mg/L	106	101	4.3	80-120	20	
Nitrate, as Nitrogen	1.03	9.03	9.03	9.63	9.73	mg/L	95	96	1.0	80-120	20	
Nitrate, as NO3	4.58	40	40	42.6	43.1	mg/L	95	96	1.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.85	9.19	mg/L	108	100	6.9	80-120	20	
Sulfate	12.2	50	50	59.1	59.7	mg/L	94	95	1.0	80-120	20	

QCBatchID: QC1201879 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201879MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201879LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201879MS1, QC1201879MSD1												**Source: 415083-007**
Total Kjeldahl Nitrogen	0.548	12.5	12.5	12	12	mg/L	92	92	0.0	80-120	20	

QCBatchID: QC1201922 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 05/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201922MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201922LCS1											
Ammonia, as Nitrogen	5		5.09		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201922MS1, QC1201922MSD1												**Source: 415086-001**
Ammonia, as Nitrogen	0.043	5	5	5.66	5.67	mg/L	112	113	0.2	80-120	20	

QCBatchID: QC1202067 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 05/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202067MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202067LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.23		1.278		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202067MS1, QC1202067MSD1												**Source: 415081-001**
Total Phosphorous as P	1.800	0.8	0.8	2.54	2.54	mg/L	93	93	0.0	75-125	20	
Total Phosphorous as PO4	5.52	2.46	2.46	7.77	7.79	mg/L	91	92	0.3	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 415083				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4485	Global ID:	
Cell:		Sampled By:	Jaime McClain

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus, Organic Nitrogen	Test Instructions / Comments
N-001	5/8/19	1100	water	4		X	X	X	
N-002	5/8/19	1115				X	X	X	
N-003	5/8/19	1130				X	X	X	
N-004	5/8/19	1020				X	X	X	
L-001	5/8/19	1200				X	X	X	
L-002	5/8/19	1235				X	X	X	
L-003	5/8/19	1210				X	X	X	
L-004	5/8/19	1145				X	X	X	
L-005	5/8/19	1220				X	X	X	
L-006	5/8/19	1140				X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jaime McClain	Rincon consultants	5/8/19 / 1:28
[1] Received By:		Kevin Nguyen	Enthalpy	5/8/19 1330
[2] Relinquished By:			Enthalpy	5/8/19 1635
[2] Received By:		Heathermadden	EA	05/08/19 1635
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Malibu - Quarterly / Semi Annual

Date Received: 5/8/19

Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 1 [ ] No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 13.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 0.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 05/08/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly - Ground Water
15-01587

Lab Request: 415118
Report Date: 05/17/2019
Date Received: 05/09/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
415118-001	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/09/2019 12:15	**Site:**			
Sample #:	**415118-001**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.10 J**	1	0.04	0.5	mg/L		05/17/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.56**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	05/14/19	05/14/19	EC	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201854
Boron	**0.600**	1	0.03	0.05	mg/L	05/10/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201861
Chloride	**176**	1	0.086	1	mg/L	05/09/19	05/10/19 14:30	JP	
Nitrate + Nitrite, as Nitrogen	**1.46**	1	0.018	0.1	mg/L	05/09/19	05/10/19 14:30	JP	
Nitrate, as Nitrogen	**1.46**	1	0.012	0.1	mg/L	05/09/19	05/10/19 14:30	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/09/19	05/10/19 14:30	JP	
Sulfate	**458**	10	0.77	10	mg/L	05/09/19	05/11/19 05:17	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.099 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201835
Color	ND	1	5	5	Color Unit		05/09/19 18:50	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201837
Turbidity	**10**	1	0.074	0.1	NTU		05/09/19 18:50	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201836
Odor Threshold	ND	1	1	1	T.O.N		05/09/19 18:50	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201935
Total Dissolved Solids	**1270**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201907
Total Suspended Solids	**10.9**	1.05	0.525	0.525	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201863
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/10/19 11:12	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201944
pH	**7.56**	1			pH Units	05/10/19 07:13	05/10/19 07:13	CM	T2
Temp. at Time of pH Measurement	**7.8**	1			°C	05/10/19 07:13	05/10/19 07:13	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202119
Total Phosphorous as P	**0.177**	1	0.01	0.02	mg/L	05/17/19	05/17/19	TP	
Total Phosphorous as PO4	**0.543**	1	0.03	0.06	mg/L	05/17/19	05/17/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201870
BOD	ND	1	1.5	3	mg/L	05/10/19	05/10/19 07:13	TP	
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1202113
Total Organic Carbon (TOC)	**1.94**	1	0.091	1	mg/L		05/16/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.66**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201829
Fecal Coliform	**<1**	1			MPN/100ml	05/09/19 15:28	05/10/19	LH	
Total Coliform	**130**	1			MPN/100ml	05/09/19 15:28	05/10/19	LH	

QCBatchID: QC1201827 **Analyst:** wei **Method:** SM 5540-C

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201827MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201827LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201827MS1, QC1201827MSD1												**Source: 415081-001**
MBAS	0.040	1	1	1.0	1.0	mg/L	96	96	0.0	75-125	20	

QCBatchID:	**QC1201835**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	05/09/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201835DUP1						**Source: 415118-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1201836**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	05/09/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201836DUP1						**Source: 415118-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1201837**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	05/09/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201837DUP1						**Source: 415118-001**
Turbidity	10	10	NTU	0.0	20	

QCBatchID: QC1201854 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201854MB1					
Boron	ND	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.004	0.01	
Lead	ND	mg/L	0.005	0.01	
Nickel	ND	mg/L	0.003	0.01	
Silver	ND	mg/L	0.003	0.005	
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201854LCS1											
Boron	2		1.76		mg/L	88			85-115		
Cadmium	2		1.91		mg/L	96			85-115		
Chromium	2		1.79		mg/L	90			85-115		
Copper	2		1.81		mg/L	91			85-115		
Lead	2		1.84		mg/L	92			85-115		
Nickel	2		1.87		mg/L	94			85-115		
Silver	2		1.86		mg/L	93			85-115		
Zinc	2		1.94		mg/L	97			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201854MS1												**Source: 415118-001**
Boron	0.600	1		1.63		mg/L	103			75-125		
Cadmium	ND	1		0.933		mg/L	93			75-125		
Chromium	0.004	1		0.936		mg/L	93			75-125		
Copper	0.020	1		0.930		mg/L	91			75-125		
Lead	ND	1		0.832		mg/L	83			75-125		
Nickel	0.004	1		0.835		mg/L	83			75-125		
Silver	ND	1		1.08		mg/L	108			75-125		
Zinc	0.042	1		0.847		mg/L	81			75-125		

QCBatchID: QC1201861 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201861MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201861LCS1											
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.81		mg/L	98			90-110		
Nitrate, as NO3	40		39.0		mg/L	98			90-110		
Nitrite, as Nitrogen	9.15		9.31		mg/L	102			90-110		
Sulfate	50		48.0		mg/L	96			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201861MS1, QC1201861MSD1												**Source: 415124-001**
Chloride	12.5	100	100	114	113	mg/L	102	101	0.9	80-120	20	
Nitrate, as Nitrogen	1.59	9.03	9.03	10.3	10.3	mg/L	96	96	0.0	80-120	20	
Nitrate, as NO3	7.06	40	40	45.5	45.6	mg/L	96	96	0.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.14	9.23	mg/L	100	101	1.0	80-120	20	
Sulfate	18.7	50	50	66.3	66.9	mg/L	95	96	0.9	80-120	20	
QC1201861MS2, QC1201861MSD2												**Source: 415124-002**
Chloride	12.0	100	100	118	113	mg/L	106	101	4.3	80-120	20	
Nitrate, as Nitrogen	1.03	9.03	9.03	9.63	9.73	mg/L	95	96	1.0	80-120	20	
Nitrate, as NO3	4.58	40	40	42.6	43.1	mg/L	95	96	1.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.85	9.19	mg/L	108	100	6.9	80-120	20	
Sulfate	12.2	50	50	59.1	59.7	mg/L	94	95	1.0	80-120	20	

QCBatchID: QC1201863	**Analyst:** wei		**Method:** SM 4500-Cl		
Matrix: Water	**Analyzed:** 05/10/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201863MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201863LCS1											
Chlorine, Total Residual	1		0.98		mg/L	98			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201863DUP1						**Source: 415124-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1201870**	**Analyst:**	cmorales	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	05/10/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201870MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201870LCS1											
BOD	198		176		mg/L	89			84.6-115.4		

QCBatchID: QC1201873 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201873MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201873LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201873MS1, QC1201873MSD1												**Source: 415081-001**
Total Kjeldahl Nitrogen	0.215	12.5	12.5	12	12	mg/L	94	94	0.0	80-120	20	

QCBatchID: QC1201907	**Analyst:** trinh		**Method:** SM 2540-D		
Matrix: Water	**Analyzed:** 05/11/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201907MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201907DUP1						**Source: 414983-004**
Total Suspended Solids	856	860	mg/L	0.5	5	

QCBatchID: QC1201921 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 05/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201921MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201921LCS1											
Ammonia, as Nitrogen	5		5.06		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201921MS1, QC1201921MSD1												**Source: 415042-001**
Ammonia, as Nitrogen	ND	5	5	5.90	5.90	mg/L	118	118	0.0	80-120	20	

QCBatchID: QC1201935 **Analyst:** npham **Method:** SM 2540-C

Matrix: Water **Analyzed:** 05/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201935MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201935LCS1											
Total Dissolved Solids	1000		970		mg/L	97			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201935DUP1						**Source: 415129-001**
Total Dissolved Solids	2050	2000	mg/L	2.5	5	

QCBatchID:	**QC1201944**	**Analyst:**	cmorales	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	05/10/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201944DUP1						**Source: 415118-001**
pH	7.56	7.60	pH Units	0.5	20	
Temp. at Time of pH Measurement	7.8	7.8	°C	0.0	20	

QCBatchID: QC1202008	**Analyst:** npham	**Method:** EPA 1664A	
Matrix: Water	**Analyzed:** 05/14/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202008MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1202008LCS1, QC1202008LCSD1											
Non-Polar Oil and Grease	20	20	17.3	16.3	mg/L	87	82	6	64-132	34	
Total Oil and Grease	40	40	33.7	35.3	mg/L	84	88	5	78-114	18	

QCBatchID: QC1202113 **Analyst:** wei **Method:** SM 5310B

Matrix: Water **Analyzed:** 05/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202113MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202113LCS1											
Total Organic Carbon (TOC)	10		10.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202113MS1, QC1202113MSD1												**Source: 415289-002**
Total Organic Carbon (TOC)	12.8	20	20	33.4	33.9	mg/L	103	106	1.5	80-120	20	

QCBatchID: QC1202119 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 05/17/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202119MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202119LCS1											
Total Phosphorous as P	0.4		0.410		mg/L	103			80-120		
Total Phosphorous as PO4	1.23		1.257		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202119MS1, QC1202119MSD1												**Source: 415118-001**
Total Phosphorous as P	0.177	0.4	0.4	0.589	0.590	mg/L	103	103	0.2	75-125	20	
Total Phosphorous as PO4	0.543	1.23	1.23	1.806	1.809	mg/L	103	103	0.2	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 415/19	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:	KBrtalik@RinconConsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	180N. ASHWOOD AVE
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN, N. NAVARRO

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	X	PD
SMBRP-9						X	X	X	X	X	X	X	X	PD
~~SMBRP-11~~						X	X	X	X	X	X	X	X	PD
~~SMBRP-12~~						X	X	X	X	X	X	X	X	PD
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	PD
MCWP-MW04D	5.9.19	1215	W	13/VARIOUS	2,3,4	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	PD
MCWP-MW07D						X	X	X	X	X	X	X	X	PD
MCWP-MW09						X	X	X	X	X	X	X	X	PD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		NIKO NAVARRO	RINCON / ENVM. SCIENTIST	5/9/19 1315
[1] Received By:			Enthalpy	5/9/19 1315
[2] Relinquished By:			Enthalpy	5/9/19 1500
[2] Received By:			EA	05/09/19 1500
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Malibu - Quarterly/Semi Annual

Date Received: 5/9/19

Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 1 [ ] No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 9.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 2.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 05/09/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly - Ground Water
15-01587

Lab Request: 415081
Report Date: 05/17/2019
Date Received: 05/08/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
415081-001	LAMW-55
415081-002	SMBRP-9
415081-003	SMBRP-11
415081-004	SMBRP-12
415081-005	MCWP-MW04S
415081-006	MCWP-MW07S
415081-007	MCWP-MW07D
415081-008	MCWP-MW09

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 10:15	**Site:**			
Sample #:	**415081-001**	**Client Sample #:**	LAMW-55	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.22 J**	1	0.04	0.5	mg/L		05/17/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**6.40**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**2.9 J**	1.11	1.554	5.55	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.282**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**105**	1	0.086	1	mg/L	05/10/19	05/09/19 17:21	JP	
Nitrate + Nitrite, as Nitrogen	**6.19**	1	0.018	0.1	mg/L	05/10/19	05/09/19 17:21	JP	
Nitrate, as Nitrogen	**6.19**	1	0.012	0.1	mg/L	05/10/19	05/09/19 17:21	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 17:21	JP	
Sulfate	**95.2**	1	0.077	1	mg/L	05/10/19	05/09/19 17:21	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.215 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**18**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**570**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**21.9**	1.05	0.525	0.525	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.28**	1			pH Units	05/08/19 16:02	05/08/19 17:28	CM	T2
Temp. at Time of pH Measurement	**9.3**	1			°C	05/08/19 16:02	05/08/19 17:28	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**1.800**	5	0.05	0.1	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**5.52**	5	0.15	0.3	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	ND	1	1.5	3	mg/L	05/08/19	05/08/19 17:28	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**2.32**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.040**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**2.0**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**11.0**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 09:45	**Site:**			
Sample #:	**415081-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.09 J**	1	0.04	0.5	mg/L		05/17/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**12.8**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**1.7 J**	1.05	1.47	5.25	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.582**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**250**	10	0.86	10	mg/L	05/10/19	05/10/19 05:03	JP	
Nitrate + Nitrite, as Nitrogen	**12.7**	1	0.018	0.1	mg/L	05/10/19	05/09/19 17:48	JP	
Nitrate, as Nitrogen	**12.7**	1	0.012	0.1	mg/L	05/10/19	05/09/19 17:48	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 17:48	JP	
Sulfate	**370**	10	0.77	10	mg/L	05/10/19	05/10/19 05:03	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.086 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**160**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**1770**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**390**	5	2.5	2.5	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.21**	1			pH Units	05/08/19 16:02	05/08/19 17:53	CM	T2
Temp. at Time of pH Measurement	**8.8**	1			°C	05/08/19 16:02	05/08/19 17:53	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.052**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.159**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	ND	1	1.5	3	mg/L	05/08/19	05/08/19 17:53	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	ND	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.34**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**20**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**1700**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 11:00	**Site:**			
Sample #:	**415081-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.66**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**7.58**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**3.5 J**	1.05	1.47	5.25	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.506**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**264**	10	0.86	10	mg/L	05/10/19	05/10/19 05:30	JP	
Nitrate + Nitrite, as Nitrogen	**6.60**	1	0.018	0.1	mg/L	05/10/19	05/09/19 18:15	JP	
Nitrate, as Nitrogen	**6.54**	1	0.012	0.1	mg/L	05/10/19	05/09/19 18:15	JP	
Nitrite, as Nitrogen	**0.06 J**	1	0.018	0.1	mg/L	05/10/19	05/09/19 18:15	JP	J
Sulfate	**261**	10	0.77	10	mg/L	05/10/19	05/10/19 05:30	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.980**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**130**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**1400**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**287**	5	2.5	2.5	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	**0.49**	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**6.87**	1			pH Units	05/08/19 16:02	05/08/19 18:05	CM	T2
Temp. at Time of pH Measurement	**11.20**	1			°C	05/08/19 16:02	05/08/19 18:05	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	**0.324**	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.046**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.141**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	**12**	1	1.5	3	mg/L	05/08/19	05/08/19 18:05	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**5.94**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.38**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**260**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**580**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 13:30	**Site:**			
Sample #:	**415081-004**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**12.1**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**2.0 J**	1.25	1.75	6.25	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.581**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**364**	10	0.86	10	mg/L	05/10/19	05/10/19 05:57	JP	
Nitrate + Nitrite, as Nitrogen	**0.11**	1	0.018	0.1	mg/L	05/10/19	05/09/19 18:42	JP	
Nitrate, as Nitrogen	**0.11**	1	0.012	0.1	mg/L	05/10/19	05/09/19 18:42	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 18:42	JP	
Sulfate	**394**	10	0.77	10	mg/L	05/10/19	05/10/19 05:57	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**12**	5	0.26	2	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**160**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**1200**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**302**	5	2.5	2.5	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.02**	1			pH Units	05/08/19 16:02	05/08/19 18:02	CM	T2
Temp. at Time of pH Measurement	**16.1**	1			°C	05/08/19 16:02	05/08/19 18:02	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	**10.8**	5	0.05	0.5	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**2.50**	5	0.05	0.1	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**7.66**	5	0.15	0.3	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	**7**	1	1.5	3	mg/L	05/08/19	05/08/19 18:02	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**2.52**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.69**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**2000**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 11:05	**Site:**			
Sample #:	**415081-005**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.23 J**	1	0.04	0.5	mg/L		05/17/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**3.49**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1202008
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	05/14/19	05/14/19	EC	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1201789
Boron	**1.48**	1	0.03	0.05	mg/L	05/09/19	05/09/19	KLN	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201842
Chloride	**719**	10	0.86	10	mg/L	05/10/19	05/10/19 06:24	JP	
Nitrate + Nitrite, as Nitrogen	**2.95**	1	0.018	0.1	mg/L	05/10/19	05/09/19 19:09	JP	
Nitrate, as Nitrogen	**2.95**	1	0.012	0.1	mg/L	05/10/19	05/09/19 19:09	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 19:09	JP	
Sulfate	**2360**	50	3.85	50	mg/L	05/10/19	05/11/19 11:42	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.541**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1201784
Turbidity	**14**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1201936
Total Dissolved Solids	**5150**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1201906
Total Suspended Solids	**8.4**	1.05	0.525	0.525	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1201805
Chlorine, Total Residual	**0.10**	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1201943
pH	**7.35**	1			pH Units	05/08/19 16:02	05/08/19 18:30	CM	T2
Temp. at Time of pH Measurement	**9.4**	1			°C	05/08/19 16:02	05/08/19 18:30	CM	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	**0.310**	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.360**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**1.104**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1201775
BOD	ND	1	1.5	3	mg/L	05/08/19	05/08/19 18:30	WW	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**7.22**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1201827
MBAS	**0.069**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**<1**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**260**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 12:30	**Site:**			
Sample #:	**415081-006**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.58**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**4.88**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1202008
Total Oil and Grease	**1.8 J**	1.11	1.554	5.55	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1201789
Boron	**0.382**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201842
Chloride	**204**	10	0.86	10	mg/L	05/10/19	05/10/19 06:51	JP	
Nitrate + Nitrite, as Nitrogen	**4.25**	1	0.018	0.1	mg/L	05/10/19	05/09/19 19:36	JP	
Nitrate, as Nitrogen	**4.25**	1	0.012	0.1	mg/L	05/10/19	05/09/19 19:36	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 19:36	JP	
Sulfate	**246**	10	0.77	10	mg/L	05/10/19	05/10/19 06:51	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.631**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1201784
Turbidity	**230**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1201936
Total Dissolved Solids	**1150**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1201906
Total Suspended Solids	**256**	5	2.5	2.5	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1201943
pH	**7.31**	1			pH Units	05/08/19 16:02	05/08/19 18:32	CM	T2
Temp. at Time of pH Measurement	**15.3**	1			°C	05/08/19 16:02	05/08/19 18:32	CM	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	**0.052 J**	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.391**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**1.199**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1201775
BOD	**2 J**	1	1.5	3	mg/L	05/08/19	05/08/19 18:32	WW	J,BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1201855
Total Organic Carbon (TOC)	ND	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1201827
MBAS	**0.21**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**280**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**550**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 12:20	**Site:**			
Sample #:	**415081-007**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.61**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**0.71**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**2.2 J**	1.11	1.554	5.55	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.062**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**6.33**	1	0.086	1	mg/L	05/10/19	05/13/19 18:02	JP	
Nitrate + Nitrite, as Nitrogen	**0.10**	1	0.018	0.1	mg/L	05/10/19	05/11/19 10:47	JP	T5
Nitrate, as Nitrogen	**0.10**	1	0.012	0.1	mg/L	05/10/19	05/11/19 10:47	JP	T5
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 21:51	JP	
Sulfate	**21.4**	1	0.077	1	mg/L	05/10/19	05/09/19 21:51	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.606**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**62**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**78.0**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**68.0**	2.86	1.43	1.43	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.50**	1			pH Units	05/08/19 16:02	05/08/19 18:34	CM	T2
Temp. at Time of pH Measurement	**14.5**	1			°C	05/08/19 16:02	05/08/19 18:34	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.041**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.126**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	**13**	1	1.5	3	mg/L	05/08/19	05/08/19 18:34	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**7.05**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**6.4**	12.5	0.0875	0.5	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**32**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 13:15	**Site:**			
Sample #:	**415081-008**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.57**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.34**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	05/14/19	05/14/19	EC	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.375**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**399**	10	0.86	10	mg/L	05/10/19	05/10/19 09:06	JP	
Nitrate + Nitrite, as Nitrogen	**0.34**	1	0.018	0.1	mg/L	05/10/19	05/11/19 11:14	JP	T5
Nitrate, as Nitrogen	**0.34**	1	0.012	0.1	mg/L	05/10/19	05/11/19 11:14	JP	T5
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 22:18	JP	
Sulfate	**451**	10	0.77	10	mg/L	05/10/19	05/10/19 09:06	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**1.0**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**9.5**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**1480**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**17.7**	1.05	0.525	0.525	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.28**	1			pH Units	05/08/19 16:02	05/08/19 18:36	CM	T2
Temp. at Time of pH Measurement	**14.7**	1			°C	05/08/19 16:02	05/08/19 18:36	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201922
Ammonia, as Nitrogen	**0.430**	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.046**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.141**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	**13**	1	1.5	3	mg/L	05/08/19	05/08/19 18:36	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**4.32**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**2.4**	5	0.035	0.2	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**4.1**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**360**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

QCBatchID:	**QC1201775**	**Analyst:**	cmorales	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201775MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201775LCS1											
BOD	198		181		mg/L	91			84.6-115.4		

QCBatchID:	**QC1201782**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201782DUP1						**Source: 415081-006**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1201783**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201783DUP1						**Source: 415081-006**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1201784**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201784DUP1						**Source: 415081-006**
Turbidity	230	220	NTU	4.4	20	

QCBatchID: QC1201789 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201789MB1					
Boron	**0.034 J**	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	**0.009 J**	mg/L	0.004	0.01	
Lead	ND	mg/L	0.005	0.01	
Nickel	ND	mg/L	0.003	0.01	
Silver	ND	mg/L	0.003	0.005	
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201789LCS1											
Boron	2		1.93		mg/L	97			85-115		
Cadmium	2		1.83		mg/L	92			85-115		
Chromium	2		1.87		mg/L	94			85-115		
Copper	2		1.85		mg/L	93			85-115		
Lead	2		1.80		mg/L	90			85-115		
Nickel	2		1.77		mg/L	89			85-115		
Silver	2		1.80		mg/L	90			85-115		
Zinc	2		1.88		mg/L	94			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201789MS1												**Source: 415066-001**
Boron	15.6	1		17.9		mg/L	230			75-125		M
Cadmium	ND	1		0.940		mg/L	94			75-125		
Chromium	0.003	1		0.987		mg/L	98			75-125		
Copper	0.039	1		1.04		mg/L	100			75-125		
Lead	ND	1		0.897		mg/L	90			75-125		
Nickel	0.012	1		0.949		mg/L	94			75-125		
Silver	ND	1		0.944		mg/L	94			75-125		
Zinc	0.188	1		1.13		mg/L	94			75-125		
QC1201789MS2												**Source: 415070-001**
Boron	3.14	1		4.21		mg/L	107			75-125		
Cadmium	0.043	1		1.07		mg/L	103			75-125		
Chromium	0.097	1		1.10		mg/L	100			75-125		
Copper	ND	1		1.12		mg/L	112			75-125		
Lead	ND	1		0.955		mg/L	96			75-125		
Nickel	0.150	1		1.17		mg/L	102			75-125		
Silver	ND	1		0.987		mg/L	99			75-125		
Zinc	ND	1		1.27		mg/L	127			75-125		M

QCBatchID: QC1201805	**Analyst:** wei		**Method:** SM 4500-Cl		
Matrix: Water	**Analyzed:** 05/08/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201805MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201805LCS1											
Chlorine, Total Residual	1		1.06		mg/L	106			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201805DUP1						**Source: 415074-002**
Chlorine, Total Residual	10.3	10.3	mg/L	0.0	20	

QCBatchID: QC1201827 **Analyst:** wei **Method:** SM 5540-C

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201827MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201827LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201827MS1, QC1201827MSD1												**Source: 415081-001**
MBAS	0.040	1	1	1.0	1.0	mg/L	96	96	0.0	75-125	20	

QCBatchID: QC1201842 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201842MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1201842LCS1											
Chloride	100		104		mg/L	104			90-110		
Nitrate, as Nitrogen	9.03		9.04		mg/L	100			90-110		
Nitrite, as Nitrogen	9.15		9.32		mg/L	102			90-110		
Sulfate	50		49.1		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1201842MS1, QC1201842MSD1												**Source: 415081-001**
Chloride	105	100	100	202	205	mg/L	97	100	1.5	80-120	20	
Nitrate, as Nitrogen	6.19	9.03	9.03	15.3	15.1	mg/L	101	99	1.3	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.55	9.45	mg/L	104	103	1.1	80-120	20	
Sulfate	95.2	50	50	144	141	mg/L	98	92	2.1	80-120	20	

QCBatchID: QC1201855 **Analyst:** wei **Method:** SM 5310B

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201855MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	0.3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201855LCS1											
Total Organic Carbon (TOC)	10		9.62		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201855MS1, QC1201855MSD1												**Source: 414912-001**
Total Organic Carbon (TOC)	5.99	20	20	24.4	25.1	mg/L	92	96	2.8	80-120	20	

QCBatchID: QC1201873 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201873MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201873LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201873MS1, QC1201873MSD1												**Source: 415081-001**
Total Kjeldahl Nitrogen	0.215	12.5	12.5	12	12	mg/L	94	94	0.0	80-120	20	

QCBatchID: QC1201906	**Analyst:** trinh		**Method:** SM 2540-D		
Matrix: Water	**Analyzed:** 05/11/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201906MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201906DUP1						**Source: 414982-003**
Total Suspended Solids	325	326	mg/L	0.3	5	

QCBatchID: QC1201921 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 05/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201921MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201921LCS1											
Ammonia, as Nitrogen	5		5.06		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201921MS1, QC1201921MSD1												**Source: 415042-001**
Ammonia, as Nitrogen	ND	5	5	5.90	5.90	mg/L	118	118	0.0	80-120	20	

QCBatchID: QC1201922 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 05/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201922MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201922LCS1											
Ammonia, as Nitrogen	5		5.09		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201922MS1, QC1201922MSD1												**Source: 415086-001**
Ammonia, as Nitrogen	0.043	5	5	5.66	5.67	mg/L	112	113	0.2	80-120	20	

QCBatchID: QC1201936 **Analyst:** npham **Method:** SM 2540-C

Matrix: Water **Analyzed:** 05/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201936MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201936LCS1											
Total Dissolved Solids	1000		1000		mg/L	100			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201936DUP1						**Source: 415081-005**
Total Dissolved Solids	5150	4950	mg/L	4.0	5	

QCBatchID:	QC1201943	**Analyst:**	cmorales	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201943DUP1						**Source: 414986-002**
pH	7.67	7.66	pH Units	0.1	20	
Temp. at Time of pH Measurement	15.1	15.1	°C	0.0	20	
QC1201943DUP2						**Source: 415081-008**
pH	7.28	7.27	pH Units	0.1	20	
Temp. at Time of pH Measurement	14.7	14.7	°C	0.0	20	

QCBatchID: QC1202008 **Analyst:** npham **Method:** EPA 1664A

Matrix: Water **Analyzed:** 05/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202008MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1202008LCS1, QC1202008LCSD1											
Non-Polar Oil and Grease	20	20	17.3	16.3	mg/L	87	82	6	64-132	34	
Total Oil and Grease	40	40	33.7	35.3	mg/L	84	88	5	78-114	18	

QCBatchID: QC1202067 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 05/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202067MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202067LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.23		1.278		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202067MS1, QC1202067MSD1												**Source: 415081-001**
Total Phosphorous as P	1.800	0.8	0.8	2.54	2.54	mg/L	93	93	0.0	75-125	20	
Total Phosphorous as PO4	5.52	2.46	2.46	7.77	7.79	mg/L	91	92	0.3	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 415081	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBRTALIK@RinconConsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	180 N. ASHWOOD
	Ventura, CA 93003		VENTURA CA.
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN N. NAVARRO

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
LAMW-5S	5.8.19	1015	W	Poly/Glass	VARIOUS	X	X	X	X	X	X	X	X	
SMBRP-9	5.8.19	0945				X	X	X	X	X	X	X	X	
SMBRP-11	5.8.19	1100				X	X	X	X	X	X	X	X	
SMBRP-12	5.8.19	~~15~~ 1330				X	X	X	X	X	X	X	X	
MCWP-MW04S	5.8.19	1105				X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	DD
MCWP-MW07S	5.8.19	1230	W	Poly/Glass	VARIOUS	X	X	X	X	X	X	X	X	
MCWP-MW07D	5.8.19	1220				X	X	X	X	X	X	X	X	
MCWP-MW09	5.8.19	1315				X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	Rincon/ENV. SCI.	5.8.19 / 1345
[1] Received By:		Kevin Wan	Enthalpy	5/8/19 1345
[2] Relinquished By:		Ken S	Enthalpy	5/8/19 1635
[2] Received By:		Catherman	EA	05/08/19 1635
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu - Quarterly / Semi Annual

Date Received: 5/8/19 Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 1 [ ] No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 13.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 0.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 05/08/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual
Ground Water
15-01587

Final report

Lab Request: 418338
Report Date: 12/02/2019
Date Received: 08/14/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
418338-001	MCWP-MW075
418338-002	MCWP-MW07D
418338-003	SMBRP-12
418338-004	MCWP-MW09

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:30	**Site:**			
Sample #:	**418338-001**	**Client Sample #:**	MCWP-MW075	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.019**	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.06 J**	1	0.04	0.5	mg/L		08/26/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**3.22**	1	0.03	0.5	mg/L		08/26/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.432**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**100**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**2.36**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**92.9**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.110**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**3.71**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**195**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**1950**	20	66	200	ug/L		08/15/19	JP	
Antimony	**1.44**	1	0.228	0.5	ug/L		08/19/19	JP	
Arsenic	**6.34**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**51.6**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	50	8.4	25	ug/L		08/21/19	JP	D2
Cadmium	**0.193 J**	1	0.157	0.2	ug/L		08/19/19	JP	J
Chromium	**19.4 J**	50	5.9	50	ug/L		08/21/19	JP	B1,J
Copper	**12.9**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**2.99**	1	0.084	0.5	ug/L		08/19/19	JP	
Nickel	**21.4**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**2.38**	1	0.172	2	ug/L		08/19/19	JP	
Silver	**0.0310 J**	1	0.0083	0.2	ug/L		08/19/19	JP	J
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**23.9**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**208**	20	1.72	20	mg/L	08/14/19	08/15/19 22:18	JP	
Nitrate + Nitrite, as Nitrogen	**2.83**	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:30	JP	
Nitrate, as Nitrogen	**2.83**	1	0.012	0.1	mg/L	08/14/19	08/15/19 16:30	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:30	JP	
Sulfate	**179**	20	1.54	20	mg/L	08/14/19	08/15/19 22:18	JP	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water	**Client:** Rincon Consultants - Ventura			**Collector:** Client	
Sampled: 08/14/2019 08:30	**Site:**				
Sample #: **418338-001**	**Client Sample #:** MCWP-MW075			**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	ND	1	0.303	2	ug/L		08/21/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	**0.31 J**	1	0.22	0.5	ug/L		08/15/19	LZ	J
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.9**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*108*	*70-145*	
Dibromofluoromethane (SUR)	*102*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 08:30 **Site:**
Sample #: 418338-001 **Client Sample #:** MCWP-MW075 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-135*	
4-Bromofluorobenzene (SUR)	*108*	*70-135*	
Dibromofluoromethane (SUR)	*102*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**180**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**380**	1	0.38	5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.19**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**1080**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**82.0**	2.86	1.43	1.43	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:30	**Site:**			
Sample #:	**418338-001**	**Client Sample #:**	MCWP-MW075	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.512**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**6.94**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**0.329**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.389 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**0.065**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.199**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**6.01**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	ND	1	0.027	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**35**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 08:45 **Site:**
Sample #: 418338-002 **Client Sample #:** MCWP-MW07D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.003 J**	1	0.002	0.01	mg/L		10/31/19	SLL	J
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.09 J**	1	0.04	0.5	mg/L		08/26/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**0.360 J**	1	0.03	0.5	mg/L		08/26/19	SLL	J
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.597**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**225**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**0.099**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**151**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.493**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**3.49**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**267**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**40.4**	1	3.3	10	ug/L		08/15/19	JP	
Antimony	**0.703**	1	0.228	0.5	ug/L		08/19/19	JP	
Arsenic	**2.63**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**50.0**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/21/19	JP	D2
Cadmium	**0.576**	1	0.157	0.2	ug/L		08/19/19	JP	
Chromium	**3.20 J**	10	1.18	10	ug/L		08/21/19	JP	B1,J
Copper	**5.71**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**0.130 J**	1	0.084	0.5	ug/L		08/19/19	JP	J
Nickel	**11.2**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**7.22**	1	0.172	2	ug/L		08/19/19	JP	
Silver	ND	1	0.0083	0.2	ug/L		08/19/19	JP	
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**7.11**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**349**	20	1.72	20	mg/L	08/14/19	08/15/19 22:38	JP	
Nitrate + Nitrite, as Nitrogen	**0.10**	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:51	JP	
Nitrate, as Nitrogen	**0.10**	1	0.012	0.1	mg/L	08/14/19	08/15/19 16:51	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:51	JP	
Sulfate	**641**	20	1.54	20	mg/L	08/14/19	08/15/19 22:38	JP	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/14/2019 08:45	**Site:**				
Sample #: **418338-002**	**Client Sample #:** MCWP-MW07D		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	ND	2	0.606	4	ug/L		08/21/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	**1.1**	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.9**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*104*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/14/2019 08:45	**Site:**				
Sample #: 418338-002	**Client Sample #:** MCWP-MW07D		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-135*	
4-Bromofluorobenzene (SUR)	*104*	*70-135*	
Dibromofluoromethane (SUR)	*105*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**0.71**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**450**	1	0.38	5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**0.09**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**2240**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**1.6**	1.11	0.555	0.555	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:45	**Site:**			
Sample #:	**418338-002**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	**0.0030 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.435**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**6.89**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**0.172**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.260 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**0.126**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.386**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**9.45**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.041**	1	0.027	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**7.4**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-003 **Client Sample #:** SMBRP-12 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022 Prep Method: None							QCBatchID:		
Chromium Trivalent	ND	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.51**	1	0.04	0.5	mg/L		08/26/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**6.90**	1	0.03	0.5	mg/L		08/26/19	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1694M Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1205434
Boron	**0.929**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**101**	1	0.093	0.1	mg/L		08/21/19	KLN	
Iron	**1.49**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**75.0**	1	0.046	0.1	mg/L		08/21/19	KLN	
Manganese	**0.409**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**29.4**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**512**	1	0.119	0.5	mg/L		08/21/19	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1205425
Aluminum	**58.6**	1	3.3	10	ug/L		08/15/19	JP	
Antimony	**0.479 J**	1	0.228	0.5	ug/L		08/19/19	JP	J
Arsenic	**16.5**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**44.0**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/21/19	JP	D2
Cadmium	**0.314**	1	0.157	0.2	ug/L		08/19/19	JP	
Chromium	ND	10	1.18	10	ug/L		08/21/19	JP	D2
Copper	**3.70**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**0.140 J**	1	0.084	0.5	ug/L		08/19/19	JP	J
Nickel	**18.2**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**3.32**	1	0.172	2	ug/L		08/19/19	JP	
Silver	ND	1	0.0083	0.2	ug/L		08/19/19	JP	
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**6.93**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205464
Chloride	**401**	20	1.72	20	mg/L	08/14/19	08/15/19 22:59	JP	
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 17:11	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/14/19	08/15/19 17:11	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 17:11	JP	
Sulfate	**356**	20	1.54	20	mg/L	08/14/19	08/15/19 22:59	JP	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: **418338-003** **Client Sample #:** SMBRP-12 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	**7.6**	2	0.606	4	ug/L		08/21/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.5**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*107*	*70-145*	
Dibromofluoromethane (SUR)	*102*	*70-145*	
Toluene-d8 (SUR)	*107*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-003 **Client Sample #:** SMBRP-12 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-135*	
4-Bromofluorobenzene (SUR)	*107*	*70-135*	
Dibromofluoromethane (SUR)	*102*	*70-135*	
Toluene-d8 (SUR)	*107*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**15**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**300**	2.5	0.95	12.5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.30**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**1740**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**17.1**	1.11	0.555	0.555	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 12:30	**Site:**			
Sample #:	**418338-003**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.558**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**6.98**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**6.39**	5	0.05	0.5	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**6.9**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**1.740**	5	0.05	0.1	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**5.34**	5	0.15	0.3	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**11.0**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.16**	1	0.027	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**1.0**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-004 **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.006 J**	1	0.002	0.01	mg/L		10/31/19	SLL	J
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.05 J**	1	0.04	0.5	mg/L		08/26/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.00**	1	0.03	0.5	mg/L		08/26/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.874**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**68.8**	1	0.093	0.1	mg/L		08/21/19	KLN	
Iron	**0.694**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**68.7**	1	0.046	0.1	mg/L		08/21/19	KLN	
Manganese	**0.118**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**14.4**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**672**	1	0.119	0.5	mg/L		08/21/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**145**	1	3.3	10	ug/L		08/15/19	JP	
Antimony	**0.318 J**	1	0.228	0.5	ug/L		08/19/19	JP	J
Arsenic	**4.11**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**13.7**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/21/19	JP	D2
Cadmium	ND	1	0.157	0.2	ug/L		08/19/19	JP	
Chromium	**6.19 J**	10	1.18	10	ug/L		08/21/19	JP	B1,J
Copper	**5.03**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**0.088 J**	1	0.084	0.5	ug/L		08/19/19	JP	J
Nickel	**8.08**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**4.44**	1	0.172	2	ug/L		08/19/19	JP	
Silver	ND	1	0.0083	0.2	ug/L		08/19/19	JP	
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**8.22**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**509**	20	1.72	20	mg/L	08/14/19	08/15/19 23:19	CO	
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 18:12	CO	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/14/19	08/15/19 18:12	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 18:12	CO	
Sulfate	**485**	20	1.54	20	mg/L	08/14/19	08/15/19 23:19	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: **418338-004** **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	ND	2	0.606	4	ug/L		08/21/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.8**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*91*	*70-145*	
4-Bromofluorobenzene (SUR)	*106*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-004 **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*91*	*70-135*	
4-Bromofluorobenzene (SUR)	*106*	*70-135*	
Dibromofluoromethane (SUR)	*105*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**0.92**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**300**	2.5	0.95	12.5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.30**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**1900**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**6.7**	1.11	0.555	0.555	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 12:30	**Site:**			
Sample #:	**418338-004**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.576**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**7.17**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**1.95**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**2.0**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**0.233**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.714**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**3.94**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.080**	1	0.027	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**4.1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

QCBatchID: QC1205401 **Analyst:** lucy **Method:** EPA 624

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205401MB1					
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,2-Dibromoethane	ND	ug/L	0.043	0.5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	1	
Acrolein	ND	ug/L	3.3	5	
Acrylonitrile	ND	ug/L	1.6	2	
Benzene	ND	ug/L	0.071	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Toluene	ND	ug/L	0.078	0.5	
Trichloroethene	ND	ug/L	0.078	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401LCS1											
1,1-Dichloroethene	50		50		ug/L	100			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		53		ug/L	106			60-133		
Toluene	50		54		ug/L	108			59-139		
Trichloroethene	50		53		ug/L	106			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401MS1, QC1205401MSD1												**Source: 418235-001**
1,1-Dichloroethene	ND	50	50	56	54	ug/L	112	108	3.6	59-172	22	
Benzene	ND	50	50	53	51	ug/L	106	102	3.8	62-137	24	
Chlorobenzene	ND	50	50	55	54	ug/L	110	108	1.8	60-133	21	
Toluene	ND	50	50	56	56	ug/L	112	112	0.0	59-139	21	
Trichloroethene	ND	50	50	58	57	ug/L	116	114	1.7	66-142	21	

QCBatchID: QC1205402	**Analyst:** lucy	**Method:** EPA 524.2	
Matrix: Water	**Analyzed:** 08/14/2019	**Instrument:** VOA-MS (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.37	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.22	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.25	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.2	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.45	0.5	
1,1-Dichloroethane	ND	ug/L	0.24	0.5	
1,1-Dichloroethene	ND	ug/L	0.31	0.5	
1,1-Dichloropropene	ND	ug/L	0.38	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.35	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.52	0.5	
1,2-Dibromoethane	ND	ug/L	0.33	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.37	0.5	
1,2-Dichloroethane	ND	ug/L	0.2	0.5	
1,2-Dichloropropane	ND	ug/L	0.35	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.45	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.44	0.5	
1,3-Dichloropropane	ND	ug/L	0.17	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.34	0.5	
2,2-Dichloropropane	ND	ug/L	0.39	0.5	
2-Chlorotoluene	ND	ug/L	0.36	0.5	
4-Chlorotoluene	ND	ug/L	0.34	0.5	
4-Isopropyltoluene	ND	ug/L	0.41	0.5	
Benzene	ND	ug/L	0.27	0.5	
Bromobenzene	ND	ug/L	0.26	0.5	
Bromochloromethane	ND	ug/L	0.26	0.5	
Bromodichloromethane	ND	ug/L	0.27	0.5	
Bromoform	ND	ug/L	0.34	0.5	
Bromomethane	ND	ug/L	0.42	0.5	
Carbon Tetrachloride	ND	ug/L	0.26	0.5	
Chlorobenzene	ND	ug/L	0.19	0.5	
Chlorodibromomethane	ND	ug/L	0.36	0.5	
Chloroethane	ND	ug/L	0.47	0.5	
Chloroform	ND	ug/L	0.17	0.5	
Chloromethane	ND	ug/L	0.45	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.22	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.34	0.5	
Dibromomethane	ND	ug/L	0.3	0.5	
Dichlorodifluoromethane	ND	ug/L	0.45	0.5	
Ethylbenzene	ND	ug/L	0.2	0.5	
Hexachlorobutadiene	ND	ug/L	0.22	0.5	
Isopropylbenzene	ND	ug/L	0.42	0.5	
m and p-Xylene	ND	ug/L	0.51	0.5	
Methylene chloride	**3.6**	ug/L	0.5	0.5	B
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.1	0.5	
Naphthalene	ND	ug/L	0.1	0.5	
N-butylbenzene	ND	ug/L	0.49	0.5	
N-propylbenzene	ND	ug/L	0.35	0.5	
o-Xylene	ND	ug/L	0.32	0.5	
Sec-butylbenzene	ND	ug/L	0.39	0.5	
Styrene	ND	ug/L	0.29	0.5	

QCBatchID: QC1205402 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
Tert-butylbenzene	ND	ug/L	0.39	0.5	
Tetrachloroethene	ND	ug/L	0.4	0.5	
Toluene	ND	ug/L	0.3	0.5	
Total Trihalomethanes (THM's)	ND	ug/L	0.31	1	
trans-1,2-dichloroethene	ND	ug/L	0.21	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.24	0.5	
Trichloroethene	ND	ug/L	0.44	0.5	
Trichlorofluoromethane	ND	ug/L	0.3	0.5	
Vinyl Chloride	ND	ug/L	0.3	0.5	
Xylenes (Total)	ND	ug/L	0.51	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402LCS1											
1,1-Dichloroethene	50		49		ug/L	98			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		51		ug/L	102			60-133		
Methyl-t-butyl Ether (MTBE)	50		46		ug/L	92			62-137		
Toluene	50		52		ug/L	104			59-139		
Trichloroethene	50		52		ug/L	104			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402MS1												**Source: 418264-003**
1,1-Dichloroethene	ND	50		55		ug/L	110			59-172		
Benzene	ND	50		52		ug/L	104			62-137		
Chlorobenzene	ND	50		55		ug/L	110			60-133		
Methyl-t-butyl Ether (MTBE)	ND	50		49		ug/L	98			62-137		
Toluene	ND	50		57		ug/L	114			59-139		
Trichloroethene	ND	50		58		ug/L	116			66-142		

QCBatchID: QC1205425 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205425MB1					
Aluminum	**3.38 J**	ug/L	3.3	10	
Antimony	ND	ug/L	1.3	2	
Arsenic	ND	ug/L	0.31	2	
Barium	ND	ug/L	0.61	5	
Beryllium	ND	ug/L	0.31	1	
Cadmium	ND	ug/L	0.074	1	
Chromium	**0.655 J**	ug/L	0.16	2	
Copper	**0.130 J**	ug/L	0.12	2	
Lead	ND	ug/L	0.76	5	
Nickel	ND	ug/L	0.59	5	
Selenium	ND	ug/L	0.39	2	
Silver	ND	ug/L	0.56	5	
Thallium	ND	ug/L	0.18	1	
Zinc	ND	ug/L	2.7	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205425LCS1											
Aluminum	50		51.9		ug/L	104			85-115		
Antimony	50		53.5		ug/L	107			85-115		
Arsenic	50		46.7		ug/L	93			85-115		
Barium	50		48.5		ug/L	97			85-115		
Beryllium	50		44.2		ug/L	88			85-115		
Cadmium	50		48.4		ug/L	97			85-115		
Chromium	50		47.1		ug/L	94			85-115		
Copper	50		46.1		ug/L	92			85-115		
Lead	50		49.2		ug/L	98			85-115		
Nickel	50		46.5		ug/L	93			85-115		
Selenium	50		44.2		ug/L	88			85-115		
Silver	50		47.0		ug/L	94			85-115		
Thallium	50		46.7		ug/L	93			85-115		
Zinc	50		48.3		ug/L	97			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205425MS1												**Source: 418305-001**
Aluminum	ND	50		70.1		ug/L	140			70-130		M
Antimony	ND	50		55.9		ug/L	112			70-130		
Arsenic	1.52	50		47.8		ug/L	93			70-130		
Barium	23.6	50		73.1		ug/L	99			70-130		
Beryllium	ND	50		97.6		ug/L	195			70-130		M
Cadmium	ND	50		47.3		ug/L	95			70-130		
Chromium	3.66	50		59.7		ug/L	112			70-130		
Copper	1.48	50		43.1		ug/L	83			70-130		
Lead	ND	50		48.7		ug/L	97			70-130		
Nickel	2.14	50		45.3		ug/L	86			70-130		
Selenium	0.624	50		42.7		ug/L	84			70-130		
Silver	ND	50		44.1		ug/L	88			70-130		
Thallium	ND	50		46.7		ug/L	93			70-130		
Zinc	ND	50		46.9		ug/L	94			70-130		

QCBatchID: QC1205425 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205425MS2												**Source: 418309-001**
Aluminum	ND	50		60.5		ug/L	121			70-130		
Antimony	ND	50		56.2		ug/L	112			70-130		
Arsenic	1.20	50		46.7		ug/L	91			70-130		
Barium	63.1	50		112		ug/L	98			70-130		
Beryllium	ND	50		91.8		ug/L	184			70-130		M
Cadmium	ND	50		47.6		ug/L	95			70-130		
Chromium	7.22	50		64.9		ug/L	115			70-130		
Copper	19.3	50		60.6		ug/L	83			70-130		
Lead	ND	50		52.2		ug/L	104			70-130		
Nickel	3.24	50		47.6		ug/L	89			70-130		
Selenium	1.16	50		44.1		ug/L	86			70-130		
Silver	ND	50		44.4		ug/L	89			70-130		
Thallium	ND	50		49.8		ug/L	100			70-130		
Zinc	4.17	50		47.7		ug/L	87			70-130		

QCBatchID: QC1205434 **Analyst:** sbailey-woo **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205434MB1					
Boron	ND	mg/L	0.03	0.05	
Calcium	ND	mg/L	0.093	0.1	
Copper	ND	mg/L	0.008	0.01	
Iron	ND	mg/L	0.019	0.02	
Magnesium	ND	mg/L	0.046	0.1	
Manganese	ND	mg/L	0.006	0.01	
Potassium	ND	mg/L	0.167	0.5	
Sodium	ND	mg/L	0.119	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434LCS1											
Boron	2		2.04		mg/L	102			85-115		
Calcium	20		22.7		mg/L	114			85-115		
Copper	2		2.21		mg/L	111			85-115		
Iron	2		2.22		mg/L	111			85-115		
Magnesium	20		22.5		mg/L	113			85-115		
Manganese	2		2.08		mg/L	104			85-115		
Potassium	38		39.0		mg/L	103			85-115		
Sodium	20		21.4		mg/L	107			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434MS1												**Source: 418266-001**
Boron	0.346	1		1.37		mg/L	102			75-125		
Calcium	79.4	20		112		mg/L	163			75-125		M
Copper	0.032	1		1.07		mg/L	104			75-125		
Iron	0.452	1		1.56		mg/L	111			75-125		
Magnesium	26.6	20		52.2		mg/L	128			75-125		M
Manganese	0.016	1		1.03		mg/L	101			75-125		
Potassium	5.19	29		37.1		mg/L	110			75-125		
Sodium	85.9	20		116		mg/L	151			75-125		M

QCBatchID:	**QC1205447**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	08/15/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205447DUP1						**Source: 418353-005**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1205448**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	08/15/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205448DUP1						**Source: 418353-005**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1205449**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	08/15/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205449DUP1						**Source: 418353-005**
Turbidity	0.52	0.51	NTU	1.9	20	

QCBatchID: QC1205464 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205464MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrite, as NO2	ND	mg/L	0.06	0.33	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205464LCS1											
Chloride	100		103		mg/L	103			90-110		
Nitrate, as Nitrogen	9.03		9.06		mg/L	100			90-110		
Nitrate, as NO3	40		40.2		mg/L	101			90-110		
Nitrite, as Nitrogen	9.15		9.98		mg/L	109			90-110		
Nitrite, as NO2	30		32.7		mg/L	109			90-110		
Sulfate	50		47.1		mg/L	94			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205464MS1, QC1205464MSD1												**Source: 418322-002**
Chloride	126	100	100	218	218	mg/L	92	92	0.0	80-120	20	
Nitrate, as Nitrogen	2.50	9.03	9.03	11.6	11.7	mg/L	101	102	0.9	80-120	20	
Nitrate, as NO3	11.1	40	40	51.5	51.8	mg/L	101	102	0.6	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.70	9.74	mg/L	106	106	0.4	80-120	20	
Nitrite, as NO2	ND	30	30	31.8	32.0	mg/L	106	107	0.6	80-120	20	
Sulfate	3.27	50	50	52.2	52.2	mg/L	98	98	0.0	80-120	20	
QC1205464MS2, QC1205464MSD2												**Source: 418322-004**
Chloride	133	100	100	223	223	mg/L	90	90	0.0	80-120	20	
Nitrate, as Nitrogen	2.77	9.03	9.03	11.9	11.9	mg/L	101	101	0.0	80-120	20	
Nitrate, as NO3	12.3	40	40	52.6	52.5	mg/L	101	101	0.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.67	9.90	mg/L	106	108	2.4	80-120	20	
Nitrite, as NO2	ND	30	30	31.7	32.5	mg/L	106	108	2.5	80-120	20	
Sulfate	4.35	50	50	53.5	53.8	mg/L	98	99	0.6	80-120	20	

QCBatchID: QC1205468	**Analyst:** wei		**Method:** SM 4500-Cl		
Matrix: Water	**Analyzed:** 08/15/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205468MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205468LCS1											
Chlorine, Total Residual	1		0.97		mg/L	97			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205468DUP1						**Source: 418348-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	QC1205502	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	08/16/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205502DUP1						**Source: 418347-001**
pH	6.70	6.71	pH Units	0.1	20	
Temp. at Time of pH Measurement	14.8	15	°C	1.3	20	

QCBatchID: QC1205522 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result		Units	MDL	RDL	Notes
QC1205522MB1						
Antimony	ND		ug/L	1.3	2	
Arsenic	ND		ug/L	0.31	2	
Beryllium	ND		ug/L	0.31	1	
Boron	ND		ug/L	0.95	5	
Cadmium	ND		ug/L	0.074	1	
Chromium	**0.577**	**J**	ug/L	0.16	2	
Copper	ND		ug/L	0.12	2	
Iron	**9.53**	**J**	ug/L	8.2	25	
Lead	ND		ug/L	0.76	5	
Manganese	**0.338**	**J**	ug/L	0.16	10	
Nickel	**0.618**	**J**	ug/L	0.59	5	
Selenium	ND		ug/L	0.39	2	
Silver	ND		ug/L	0.56	5	
Thallium	ND		ug/L	0.18	1	
Zinc	ND		ug/L	2.7	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1205522LCS1											
Antimony	50		55.2		ug/L	110			85-115		
Arsenic	50		49.1		ug/L	98			85-115		
Beryllium	50		46.2		ug/L	92			85-115		
Boron	50		45.9		ug/L	92			85-115		
Cadmium	50		51.5		ug/L	103			85-115		
Chromium	50		53.6		ug/L	107			85-115		
Copper	50		50.6		ug/L	101			85-115		
Iron	50		53.1		ug/L	106			85-115		
Lead	50		54.2		ug/L	108			85-115		
Manganese	50		51.3		ug/L	103			85-115		
Nickel	50		54.1		ug/L	108			85-115		
Selenium	50		49.2		ug/L	98			85-115		
Silver	50		51.0		ug/L	102			85-115		
Thallium	50		52.7		ug/L	105			85-115		
Zinc	50		55.6		ug/L	111			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1205522MS1												**Source: 418401-001**
Antimony	ND	0.05		0.0583		mg/L	117			75-125		
Arsenic	0.00133	0.05		0.0537		mg/L	105			75-125		
Beryllium	ND	0.05		0.0568		mg/L	113			75-125		
Boron	0.241	0.05		0.287		mg/L	92			75-125		
Cadmium	ND	0.05		0.0508		mg/L	102			75-125		
Chromium	0.00448	0.05		0.0497		mg/L	90			75-125		
Copper	0.148	0.05		0.193		mg/L	90			75-125		
Iron	0.277	0.05		0.302		mg/L	50			75-125		NC
Lead	0.00126	0.05		0.0512		mg/L	100			75-125		
Manganese	0.00239	0.05		0.0504		mg/L	96			75-125		
Nickel	0.00623	0.05		0.0526		mg/L	93			75-125		
Selenium	0.00152	0.05		0.0606		mg/L	118			75-125		

QCBatchID: QC1205522 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205522MS1												**Source: 418401-001**
Silver	ND	0.05		0.0470		mg/L	94			75-125		
Thallium	ND	0.05		0.0492		mg/L	98			75-125		
Zinc	0.0271	0.05		0.0751		mg/L	96			75-125		
QC1205522MS2												**Source: 418366-001**
Antimony	ND	50		57.8		ug/L	116			70-130		
Arsenic	1.31	50		50.6		ug/L	99			70-130		
Beryllium	ND	50		52.6		ug/L	105			70-130		
Boron	253	50		298		ug/L	90			70-130		
Cadmium	ND	50		50.7		ug/L	101			70-130		
Chromium	1.64	50		53.1		ug/L	103			70-130		
Copper	1.34	50		46.6		ug/L	91			70-130		
Iron	422	50		506		ug/L	168			70-130		NC
Lead	ND	50		52.2		ug/L	104			70-130		
Manganese	127	50		193		ug/L	132			70-130		M
Nickel	4.32	50		57.9		ug/L	107			70-130		
Selenium	1.02	50		48.0		ug/L	94			70-130		
Silver	ND	50		47.4		ug/L	95			70-130		
Thallium	ND	50		52.7		ug/L	105			70-130		
Zinc	4.71	50		52.7		ug/L	96			70-130		

QCBatchID: QC1205551	**Analyst:** trinh		**Method:** SM 4500-NH3-G		
Matrix: Water	**Analyzed:** 08/17/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205551MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205551LCS1											
Total Kjeldahl Nitrogen	2.5		2.4		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205551MS1, QC1205551MSD1												**Source: 418345-001**
Total Kjeldahl Nitrogen	0.068	12.5	12.5	11	11	mg/L	87	87	0.0	80-120	20	

QCBatchID: QC1205559 **Analyst:** sbailey-woo **Method:** EPA 245.1

Matrix: Water **Analyzed:** 08/18/2019 **Instrument:** AAICP-HG1

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205559MB1					
Mercury	ND	ug/L	0.094	0.2	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205559LCS1											
Mercury	5		5.17		ug/L	103			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205559MS1, QC1205559MSD1												**Source: 418338-001**
Mercury	ND	5	5	4.94	4.51	ug/L	99	90	9.1	75-125	20	

QCBatchID: QC1205564 **Analyst:** trinh **Method:** SM 5540-C

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205564MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205564LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205564MS1, QC1205564MSD1												**Source: 418307-001**
MBAS	0.026	1	1	0.99	0.97	mg/L	96	94	2.0	75-125	20	

QCBatchID: QC1205572 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205572MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205572LCS1											
Total Organic Carbon (TOC)	10		9.42		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205572MS1, QC1205572MSD1												**Source: 418424-001**
Total Organic Carbon (TOC)	6.55	80	80	88.7	89.5	mg/L	103	104	0.9	80-120	20	

QCBatchID:	**QC1205579**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	08/16/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205579MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205579DUP1						**Source: 418369-001**
Total Suspended Solids	ND	ND	mg/L	0.0	5	

QCBatchID: QC1205609 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 08/19/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205609MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205609LCS1											
Total Dissolved Solids	95		98.0		mg/L	103			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205609DUP1						**Source: 418338-002**
Total Dissolved Solids	2240	2160	mg/L	3.6	5	

QCBatchID: QC1205643 **Analyst:** trinh **Method:** SM 4500-CN-E

Matrix: Water **Analyzed:** 08/19/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205643MB1					
Cyanide	ND	mg/L	0.0022	0.01	
Cyanide, Amenable to Chlorination	ND	mg/L	0.0022	0.01	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643LCS1											
Cyanide	0.2		0.19		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643MS1, QC1205643MSD1												**Source: 418338-002**
Cyanide	0.0030	0.2	0.2	0.21	0.21	mg/L	104	104	0.0	80-120	20	

QCBatchID: QC1205646 **Analyst:** npham **Method:** SM 4500-F-C

Matrix: Water **Analyzed:** 08/20/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205646MB1					
Fluoride	ND	mg/L	0.003	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205646LCS1											
Fluoride	1		1.01		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205646MS1, QC1205646MSD1												**Source: 418277-001**
Fluoride	0.284	1	1	1.33	1.34	mg/L	105	106	0.7	75-125	20	

QCBatchID: QC1205707	**Analyst:** trinh		**Method:** SM 4500-P-B-5-E		
Matrix: Water	**Analyzed:** 08/20/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205707MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.3		1.28		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707MS1, QC1205707MSD1												**Source: 418276-001**
Total Phosphorous as P	0.251	0.4	0.4	0.837	0.835	mg/L	147	146	0.2	75-125	20	M
Total Phosphorous as PO4	0.770	1.3	1.3	2.57	2.56	mg/L	139	138	0.4	75-125	20	M

QCBatchID: QC1205713 **Analyst:** sbailey-woo **Method:** EPA 314.0

Matrix: Water **Analyzed:** 08/21/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205713MB1					
Perchlorate	ND	ug/L	0.303	4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205713LCS1											
Perchlorate	50		52		ug/L	104			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205713MS1, QC1205713MSD1												**Source: 418590-001**
Perchlorate	1.7	50	50	49	49	ug/L	95	95	0.0	80-120	20	

QCBatchID: QC1205741	**Analyst:** trinh		**Method:** SM 4500-NH3-G		
Matrix: Water	**Analyzed:** 08/22/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205741MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205741LCS1											
Ammonia, as Nitrogen	2.5		2.38		mg/L	95			-		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205741MS1, QC1205741MSD1												**Source: 418338-001**
Ammonia, as Nitrogen	0.329	2.5	2.5	2.61	2.58	mg/L	91	90	1.2			

QCBatchID: QC1205767 **Analyst:** wei **Method:** SM 2320-B

Matrix: Water **Analyzed:** 08/23/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205767MB1					
Bicarbonate (HCO3)	ND	mg/L	5	5	
Carbonate (CO3)	ND	mg/L	5	5	
Hydroxide (OH)	ND	mg/L	5	5	
Total Alkalinity (as CaCO3)	ND	mg/L	0.38	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205767LCS1											
Total Alkalinity (as CaCO3)	100		95		mg/L	95			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205767DUP1						**Source: 418340-001**
Bicarbonate (HCO3)	1400	1400	mg/L	0.0	20	
Carbonate (CO3)	ND	ND	mg/L	0.0	20	
Hydroxide (OH)	ND	ND	mg/L	0.0	20	
Total Alkalinity (as CaCO3)	1200	1200	mg/L	0.0	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 418338	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 3	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
c/o Montrose Environmental Group	FI. = Food Liquid FS = Food Solid L = Liquid	4 = H_2SO_4 5 = NaOH 6 = Other
1 Park Plaza, Suite 1000, Irvine, CA 92614	PP = Pure Product S = Solid SeaW = Sea Water	
	SW = Swab W = Water WP = Wipe O = Other	

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Q	EPA 200.7 (B), 200.8 (see list), 245.	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA	SM 4500-CN E; TKN; NH3; Phospho	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; C	SM 2330B Corrosivity; EPA 218.6 Cr	EPA 1664A Oil & Grease; EPA 1625	EPA 1613 TCDD only; EPA 608 LL; E	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
NN	~~SMBRP-13~~ MCWP-MW07S	8/14/19	830	W			X	X	X	X	X	X	X	X	X	X	
NN	~~MCWP-MW06~~ MCWP-MW07D	8/14/19	845	W			X	X	X	X	X	X	X	X	X	X	
NN	~~MCWP-MW10~~ SMBRP-12	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
NN	~~CCRE~~ MCWP-MW09	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
	~~SMBRP-78~~	~~8/ /19~~		W			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X	NN
	~~MCWP-MW05~~	~~8/ /19~~		W			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	NN

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, Inc.	8.14.19 / 1500
1 Received By:			Enthalpy	8/14/19 1500
2 Relinquished By:			Enthalpy	8/14/19 1808
2 Received By:			EA	8/14/19 1808
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 410338	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 2 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
c/o Montrose Environmental Group	FL = Food Liquid FS = Food Solid L = Liquid	4 = H_2SO_4 5 = NaOH 6 = Other
1 Park Plaza, Suite 1000, Irvine, CA 92614	PP = Pure Product S = Solid SeaW = Sea Water	
	SW = Swab W = Water WP = Wipe O = Other	

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Ura	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0	EPA 504.1 EDB, DBCP; EPA 525.2 (s	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Dio	EPA 547 Glyphosate; EPA 552.2 HA	Test Instructions / Comments
NN ~~SMBRP-13~~ MCWP-MW075	8/14/19	830	W			X	X	X	X	X	X	X	X	X	X	
NN ~~MCWP-MW06~~ MCWP-MW07D	8/14/19	845	W			X	X	X	X	X	X	X	X	X	X	
NN ~~MCWP-MW10~~ SMBRP-12	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
NN ~~CCPE~~ MCWP-MW09	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
~~SMBRP-78~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
~~MCWP-MW05~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, inc.	8.14.19 1500
1 Received By:			Enthalpy	8/14/19 1500
2 Relinquished By:			Enthalpy	8/14/19 1808
2 Received By:		Christine Castro	EPA	8/14/19 1808
3 Relinquished By:				
3 Received By:				

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 418338	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
c/o Montrose Environmental Group	FL = Food Liquid FS = Food Solid L = Liquid	4 = H_2SO_4 5 = NaOH 6 = Other
1 Park Plaza, Suite 1000, Irvine, CA 92614	PP = Pure Product S = Solid SeaW = Sea Water	
ENTHALPY analytical, inc.	SW = Swab W = Water WP = Wipe O = Other	

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list	EPA 608 Pest/PCBs	Test Instructions / Comments
NN ~~SMBRP-13~~ MCWP-MW075	8/14/19	830	W			X	X	
NN ~~MCWP-MW06~~ MCWP-MW07D	8/14/19	845	W			X	X	
NN MCWP-MW10 SMBRP-12	8/14/19	1230	W			X	X	
NN ~~CCPE~~ MCWP-MW09	8/14/19	1230	W			X	X	
~~SMBRP-78~~	~~8/ /19~~		W			X	X	NN
~~MCWP-MW65~~	~~8/ /19~~		W			X	X	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Nico Navarro	Rincon Consultants, Inc.	8.14.19 1500
[1] Received By:			Enthalpy	8/14/19 1500
[2] Relinquished By:			Enthalpy	8/14/19 1808
[2] Received By:		Christine Castro	EA	8/14/19 1808
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: _____

Date Received: 8/14/19 Sampler's Name Present: ☐ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 7 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 11.4 #2: 13.6 #3: 12.5 #4: 10.3

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 10.2 #2: 13.0 #3: 9.4 #4: 5.3

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?			

Section 5 Explanations/Comments

(sample/cooler) 10.0/8.5, 14.0/0.6, 1.4/0.8, 1.8/1.4

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/14/19

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	9H16051
Project:	418338
Attn:	Albert Vargas
Client:	Enthalpy Analytical - Orange 931 West Barkley Avenue Orange, CA 92868

Report Date:	11/27/2019
Received Date:	8/16/2019
Turnaround Time:	Normal
Phones:	(714) 771-6900
Fax:	(714) 771-9933
P.O. #:	1038449
Billing Code:	

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-CA #04229CA • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Albert Vargas,

Enclosed are the results of analyses for samples received 8/16/19 with the Chain-of-Custody document. The samples were received in good condition, at 5.3 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina Giancola
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
MCWP-MW075 (418338-001)	Client	9H16051-01	Water	08/14/19 08:30	
MCWP-MW075 (418338-001) (Field Blank)	Client	9H16051-02	Water	08/14/19 08:30	
MCWP-MW07D (418338-002)	Client	9H16051-03	Water	08/14/19 08:45	
MCWP-MW07D (418338-002) (Field Blank)	Client	9H16051-04	Water	08/14/19 08:30	
SMBRP-12 (418338-003)	Client	9H16051-05	Water	08/14/19 12:30	
SMBRP-12 (418338-003) (Field Blank)	Client	9H16051-06	Water	08/14/19 12:30	
MCWP-MW09 (418338-004)	Client	9H16051-07	Water	08/14/19 12:30	
MCWP-MW09 (418338-004) (Field Blank)	Client	9H16051-08	Water	08/14/19 12:30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/27/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/27/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/27/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/27/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/27/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/27/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/27/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/27/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/27/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/27/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/27/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/27/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/27/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/27/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/27/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/27/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/27/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/27/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/27/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/27/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/27/19	
Benzidine	ND	3.7	10	ug/l	1	08/27/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/27/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/27/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/27/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/27/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/27/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/27/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/27/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/27/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/27/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/27/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/27/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/27/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/27/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/27/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/27/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/27/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/27/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/27/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/27/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/27/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/27/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/27/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/27/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/27/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/27/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/27/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/27/19	
Phenol	ND	0.16	1.0	ug/l	1	08/27/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/27/19	
Surrogate(s)							
2,4,6-Tribromophenol	*58%*	*Conc: 28.9*	*37-120*			*08/27/19*	
2-Fluorobiphenyl	*59%*	*Conc: 14.8*	*43-120*			*08/27/19*	
2-Fluorophenol	*39%*	*Conc: 19.4*	*31-100*			*08/27/19*	
Nitrobenzene-d5	*61%*	*Conc: 15.2*	*45-120*			*08/27/19*	
Phenol-d5	*25%*	*Conc: 12.3*	*15-100*			*08/27/19*	
Terphenyl-d14	*90%*	*Conc: 22.6*	*61-130*			*08/27/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*108%*	*Conc: 538*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*89%*	*Conc: 8.89*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*93%*	*Conc: 9.32*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.0090	0.10	ug/l	1	08/30/19	M-02
4,4´-DDE	ND	0.018	0.10	ug/l	1	08/30/19	M-02
4,4´-DDT	ND	0.013	0.10	ug/l	1	08/30/19	M-02
Aldrin	ND	0.0090	0.10	ug/l	1	08/30/19	M-02
alpha-BHC	ND	0.0080	0.10	ug/l	1	08/30/19	M-02
Aroclor 1016	ND	0.22	1.0	ug/l	1	08/30/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.84	1.0	ug/l	1	08/30/19	M-02
Aroclor 1232	ND	0.64	1.0	ug/l	1	08/30/19	M-02
Aroclor 1242	ND	0.70	1.0	ug/l	1	08/30/19	M-02
Aroclor 1248	ND	0.49	1.0	ug/l	1	08/30/19	M-02
Aroclor 1254	ND	0.68	1.0	ug/l	1	08/30/19	M-02
Aroclor 1260	ND	0.20	1.0	ug/l	1	08/30/19	M-02
beta-BHC	ND	0.015	0.10	ug/l	1	08/30/19	M-02
Chlordane (tech)	ND	0.66	1.0	ug/l	1	08/30/19	M-02
Chlorothalonil	ND	0.020	0.50	ug/l	1	08/30/19	M-02
delta-BHC	ND	0.010	0.10	ug/l	1	08/30/19	M-02
Dieldrin	ND	0.020	0.10	ug/l	1	08/30/19	M-02
Endosulfan I	ND	0.0090	0.10	ug/l	1	08/30/19	M-02
Endosulfan II	ND	0.0080	0.10	ug/l	1	08/30/19	M-02
Endosulfan sulfate	ND	0.013	0.10	ug/l	1	08/30/19	M-02
Endrin	ND	0.020	0.10	ug/l	1	08/30/19	M-02
Endrin aldehyde	ND	0.013	0.10	ug/l	1	08/30/19	M-02
gamma-BHC (Lindane)	ND	0.015	0.10	ug/l	1	08/30/19	M-02
Heptachlor	ND	0.0090	0.10	ug/l	1	08/30/19	M-02
Heptachlor epoxide	ND	0.011	0.10	ug/l	1	08/30/19	M-02
Hexachlorobenzene	ND	0.030	0.50	ug/l	1	08/30/19	M-02
Hexachlorocyclopentadiene	ND	0.14	0.50	ug/l	1	08/30/19	M-02
Methoxychlor	ND	0.044	0.10	ug/l	1	08/30/19	M-02
PCBs, Total	ND	0.49	5.0	ug/l	1	08/30/19	M-02
Propachlor	ND	0.10	0.50	ug/l	1	08/30/19	M-02
Toxaphene	ND	0.66	5.0	ug/l	1	08/30/19	M-02
Trifluralin	ND	0.030	0.10	ug/l	1	08/30/19	M-02
Surrogate(s)							
Decachlorobiphenyl	*86%*	*Conc: 0.858*	*70-130*			*08/30/19*	*M-02*
Tetrachloro-meta-xylene	*75%*	*Conc: 0.747*	*70-130*			*08/30/19*	*M-02*
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	18	200	ug/l	1	09/03/19	M-02
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 03:47	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 03:47	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*101%*	*Conc: 10.1*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.42**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	**7.7**	5.0	20	ng/l	1	08/29/19	J, M-02
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**5.0**	0.31	1.0	ng/l	1	10/01/19	
DEET	**0.65**	0.060	1.0	ng/l	1	10/01/19	J
Sucralose	**420**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.11	0.50	ug/l	1	09/07/19	M-02
Atrazine	ND	0.17	0.50	ug/l	1	09/07/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.35	0.50	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)adipate	ND	0.52	10	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)phthalate	ND	5.3	10	ug/l	1	09/07/19	M-02
Bromacil	ND	0.19	2.5	ug/l	1	09/07/19	M-02
Butachlor	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Captan	ND	4.3	5.0	ug/l	1	09/07/19	M-02
Chlorpropham	ND	0.050	0.50	ug/l	1	09/07/19	M-02
Cyanazine	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Diazinon	ND	0.48	0.50	ug/l	1	09/07/19	M-02
Dimethoate	ND	0.12	1.0	ug/l	1	09/07/19	M-02
Diphenamid	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Disulfoton	ND	0.16	0.50	ug/l	1	09/07/19	M-02
EPTC	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Metolachlor	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Metribuzin	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Molinate	ND	0.20	0.50	ug/l	1	09/07/19	M-02
Prometon	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Prometryn	ND	0.18	0.50	ug/l	1	09/07/19	M-02
Simazine	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Terbacil	ND	2.8	10	ug/l	1	09/07/19	M-02
Thiobencarb	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Trithion	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*101%*	*Conc: 25.2*	*70-130*			*09/07/19*	*M-02*
Perylene-d12	*25%*	*Conc: 6.37*	*50-120*			*09/07/19*	*M-02, S-GC*
Triphenyl phosphate	*110%*	*Conc: 27.4*	*70-130*			*09/07/19*	*M-02*

Sample: MCWP-MW075 (418338-001) (Field Blank)
9H16051-02 (Water)

Sampled: 08/14/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 04:16	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 04:16	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/27/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/27/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/27/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/27/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/27/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/27/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/27/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/27/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/27/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/27/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/27/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/27/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/27/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/27/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/27/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/27/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/27/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/27/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/27/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/27/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/27/19	
Benzidine	ND	3.7	10	ug/l	1	08/27/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/27/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/27/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/27/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/27/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/27/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/27/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/27/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/27/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/27/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/27/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/27/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/27/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/27/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/27/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/27/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/27/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/27/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/27/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/27/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/27/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/27/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/27/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/27/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/27/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/27/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/27/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/27/19	
Phenol	ND	0.16	1.0	ug/l	1	08/27/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/27/19	
Surrogate(s)							
2,4,6-Tribromophenol	*71%*	*Conc: 35.4*	*37-120*			*08/27/19*	
2-Fluorobiphenyl	*71%*	*Conc: 17.7*	*43-120*			*08/27/19*	
2-Fluorophenol	*52%*	*Conc: 25.8*	*31-100*			*08/27/19*	
Nitrobenzene-d5	*72%*	*Conc: 17.9*	*45-120*			*08/27/19*	
Phenol-d5	*34%*	*Conc: 17.2*	*15-100*			*08/27/19*	
Terphenyl-d14	*90%*	*Conc: 22.6*	*61-130*			*08/27/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*105%*	*Conc: 523*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*82%*	*Conc: 8.19*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*90%*	*Conc: 9.02*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*104%*	*Conc: 0.104*	*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*89%*	*Conc: 0.0887*	*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	**1.6**	0.90	2.0	ug/l	1	08/23/19	J
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 04:45	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 04:45	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	**0.30**	0.28	1.0	ug/l	1	09/05/19	J
Surrogate(s)							
2-Bromobutyric acid	*111%*	*Conc: 11.1*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.053**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	**1.8**	0.50	2.0	ng/l	1	08/29/19	J
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**1.2**	0.31	1.0	ng/l	1	10/01/19	
DEET	**0.16**	0.060	1.0	ng/l	1	10/01/19	J
Sucralose	**590**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*91%*	*Conc: 4.57*	*70-130*			*09/07/19*	
Perylene-d12	*85%*	*Conc: 4.25*	*50-120*			*09/07/19*	
Triphenyl phosphate	*115%*	*Conc: 5.74*	*70-130*			*09/07/19*	

Sample: MCWP-MW07D (418338-002) (Field Blank)
9H16051-04 (Water)

Sampled: 08/14/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 05:14	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 05:14	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/27/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/27/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/27/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/27/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/27/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/27/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/27/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/27/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/27/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/27/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/27/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/27/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/27/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/27/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/27/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/27/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/27/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/27/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/27/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/27/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/27/19	
Benzidine	ND	3.7	10	ug/l	1	08/27/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/27/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/27/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/27/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/27/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/27/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/27/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/27/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/27/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/27/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/27/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/27/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/27/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/27/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/27/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/27/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/27/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/27/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/27/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/27/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/27/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/27/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/27/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/27/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/27/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/27/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/27/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/27/19	
Phenol	ND	0.16	1.0	ug/l	1	08/27/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/27/19	
Surrogate(s)							
2,4,6-Tribromophenol	*67%*	*Conc: 35.1*	*37-120*			*08/27/19*	
2-Fluorobiphenyl	*68%*	*Conc: 17.9*	*43-120*			*08/27/19*	
2-Fluorophenol	*48%*	*Conc: 25.2*	*31-100*			*08/27/19*	
Nitrobenzene-d5	*69%*	*Conc: 18.2*	*45-120*			*08/27/19*	
Phenol-d5	*32%*	*Conc: 16.7*	*15-100*			*08/27/19*	
Terphenyl-d14	*89%*	*Conc: 23.3*	*61-130*			*08/27/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*93%*	*Conc: 463*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*91%*	*Conc: 9.09*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1582 **Instr:** GC08			**Prepared:** 08/28/19 08:22			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/31/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/31/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/31/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/31/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/31/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/31/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/31/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/31/19	
DCPA	ND	0.070	0.10	ug/l	1	08/31/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/31/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/31/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/31/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/31/19	
Picloram	ND	0.050	0.60	ug/l	1	08/31/19	
Surrogate(s)							
2,4-DCAA	*97%*	*Conc: 9.69*	*70-130*			*08/31/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*95% Conc: 0.0949*		*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*93% Conc: 0.0929*		*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 05:42	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 05:42	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*104%*	*Conc: 10.4*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	ND	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	08/29/19	
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**4.6**	0.31	1.0	ng/l	1	10/01/19	
DEET	**14**	0.060	1.0	ng/l	1	10/01/19	
Sucralose	**130**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*94%*	*Conc: 4.72*	*70-130*			*09/07/19*	
Perylene-d12	*77%*	*Conc: 3.86*	*50-120*			*09/07/19*	
Triphenyl phosphate	*119%*	*Conc: 5.96*	*70-130*			*09/07/19*	

Sample: SMBRP-12 (418338-003) (Field Blank)
9H16051-06 (Water)

Sampled: 08/14/19 12:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 06:11	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 06:11	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/27/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/27/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/27/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/27/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/27/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/27/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/27/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/27/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/27/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/27/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/27/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/27/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/27/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/27/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/27/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/27/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/27/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/27/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/27/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/27/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/27/19	
Benzidine	ND	3.7	10	ug/l	1	08/27/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/27/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/27/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/27/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/27/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/27/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/27/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/27/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/27/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/27/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/27/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/27/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/27/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/27/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/27/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/27/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/27/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/27/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/27/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/27/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/27/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/27/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/27/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/27/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/27/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/27/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/27/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/27/19	
Phenol	ND	0.16	1.0	ug/l	1	08/27/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/27/19	
Surrogate(s)							
2,4,6-Tribromophenol	*72%*	*Conc: 35.9*	*37-120*			*08/27/19*	
2-Fluorobiphenyl	*76%*	*Conc: 18.9*	*43-120*			*08/27/19*	
2-Fluorophenol	*53%*	*Conc: 26.4*	*31-100*			*08/27/19*	
Nitrobenzene-d5	*77%*	*Conc: 19.3*	*45-120*			*08/27/19*	
Phenol-d5	*35%*	*Conc: 17.5*	*15-100*			*08/27/19*	
Terphenyl-d14	*94%*	*Conc: 23.5*	*61-130*			*08/27/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*108%*	*Conc: 542*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*87%*	*Conc: 8.66*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1582 **Instr:** GC08			**Prepared:** 08/28/19 08:22			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/31/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/31/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/31/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/31/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/31/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/31/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/31/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/31/19	
DCPA	ND	0.070	0.10	ug/l	1	08/31/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/31/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/31/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/31/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/31/19	
Picloram	ND	0.050	0.60	ug/l	1	08/31/19	
Surrogate(s)							
2,4-DCAA	*96%*	*Conc: 9.58*	*70-130*			*08/31/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*100% Conc: 0.0998*		*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*93% Conc: 0.0934*		*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 06:40	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 06:40	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*101%*	*Conc: 10.1*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	ND	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	08/29/19	
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**0.86**	0.31	1.0	ng/l	1	10/01/19	J
DEET	**0.22**	0.060	1.0	ng/l	1	10/01/19	J
Sucralose	**18**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*100%*	*Conc: 5.00*	*70-130*			*09/07/19*	
Perylene-d12	*51%*	*Conc: 2.57*	*50-120*			*09/07/19*	
Triphenyl phosphate	*107%*	*Conc: 5.34*	*70-130*			*09/07/19*	

Sample: MCWP-MW09 (418338-004) (Field Blank)
9H16051-08 (Water)

Sampled: 08/14/19 12:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 07:09	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 07:09	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625											
Blank (W9H1170-BLK1)					**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.30	1.0	ug/l							
2,4-Dinitrophenol	ND	1.6	5.0	ug/l							
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	0.45	2.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.40	1.0	ug/l							
Anthracene	ND	0.34	1.0	ug/l							
Benzidine	ND	3.7	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.13	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	3.51	2.0	2.0	ug/l							B-06
Butyl benzyl phthalate	ND	0.18	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l							
Diethyl phthalate	ND	0.15	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.24	1.0	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
Blank (W9H1170-BLK1)					**Prepared: 08/21/19 Analyzed: 08/27/19**						
Di-n-octyl phthalate	ND	0.19	1.0	ug/l							
Fluoranthene	ND	0.22	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l							
Hexachloroethane	ND	0.52	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.19	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.16	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*35.6*			*ug/l*	*50.0*		*71*	*37-120*			
2-Fluorobiphenyl	*18.6*			*ug/l*	*25.0*		*74*	*43-120*			
2-Fluorophenol	*25.8*			*ug/l*	*50.0*		*52*	*31-100*			
Nitrobenzene-d5	*19.2*			*ug/l*	*25.0*		*77*	*45-120*			
Phenol-d5	*16.3*			*ug/l*	*50.0*		*33*	*15-100*			
Terphenyl-d14	*23.5*			*ug/l*	*25.0*		*94*	*61-130*			
LCS (W9H1170-BS1)					**Prepared: 08/21/19 Analyzed: 08/27/19**						
1,2,4-Trichlorobenzene	18.0	0.55	1.0	ug/l	25.0		72	44-130			
1,2-Dichlorobenzene	19.1	0.57	1.0	ug/l	25.0		76	44-120			
1,3-Dichlorobenzene	18.8	0.53	1.0	ug/l	25.0		75	42-120			
1,4-Dichlorobenzene	17.8	0.55	1.0	ug/l	25.0		71	42-120			
2,4,6-Trichlorophenol	19.8	0.22	1.0	ug/l	25.0		79	46-130			
2,4-Dichlorophenol	19.8	0.26	1.0	ug/l	25.0		79	45-130			
2,4-Dimethylphenol	18.0	0.30	1.0	ug/l	25.0		72	33-120			
2,4-Dinitrophenol	19.6	1.6	5.0	ug/l	25.0		79	36-163			
2,4-Dinitrotoluene	21.0	0.18	1.0	ug/l	25.0		84	58-130			
2,6-Dinitrotoluene	20.5	0.27	1.0	ug/l	25.0		82	50-130			
2-Chloronaphthalene	19.1	0.45	1.0	ug/l	25.0		77	43-130			
2-Chlorophenol	18.9	0.28	1.0	ug/l	25.0		75	44-120			
2-Methyl-4,6-dinitrophenol	19.0	1.0	1.0	ug/l	25.0		76	42-150			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
LCS (W9H1170-BS1)					**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
2-Nitrophenol	20.0	0.26	1.0	ug/l	25.0		80	41-130			
3,3'-Dichlorobenzidine	24.4	1.0	1.0	ug/l	25.0		97	18-143			
4-Bromophenyl phenyl ether	18.8	0.36	1.0	ug/l	25.0		75	53-130			
4-Chloro-3-methylphenol	20.6	0.23	1.0	ug/l	25.0		82	47-130			
4-Chlorophenyl phenyl ether	17.9	0.41	1.0	ug/l	25.0		72	44-130			
4-Nitrophenol	9.75	0.45	2.0	ug/l	25.0		39	24-100			
Acenaphthene	18.9	0.38	1.0	ug/l	25.0		75	47-130			
Acenaphthylene	20.2	0.40	1.0	ug/l	25.0		81	44-130			
Anthracene	21.0	0.34	1.0	ug/l	25.0		84	56-130			
Benzo (a) anthracene	22.8	0.19	1.0	ug/l	25.0		91	50-130			
Benzo (a) pyrene	21.2	0.13	1.0	ug/l	25.0		85	58-130			
Benzo (b) fluoranthene	24.7	0.14	1.0	ug/l	25.0		99	57-130			AN-IP
Benzo (g,h,i) perylene	21.0	0.10	1.0	ug/l	25.0		84	30-143			
Benzo (k) fluoranthene	21.8	0.22	1.0	ug/l	25.0		87	57-130			AN-IP
Bis(2-chloroethoxy)methane	18.3	0.25	1.0	ug/l	25.0		73	34-130			
Bis(2-chloroethyl)ether	18.6	0.27	1.0	ug/l	25.0		74	39-130			
Bis(2-chloroisopropyl)ether	19.9	0.38	1.0	ug/l	25.0		80	36-130			
Bis(2-ethylhexyl)phthalate	25.6	2.0	2.0	ug/l	25.0		103	44-130			
Butyl benzyl phthalate	24.0	0.18	1.0	ug/l	25.0		96	56-130			
Chrysene	23.5	0.19	1.0	ug/l	25.0		94	61-130			
Dibenzo (a,h) anthracene	22.3	0.080	1.0	ug/l	25.0		89	29-130			
Diethyl phthalate	18.8	0.15	1.0	ug/l	25.0		75	58-130			
Dimethyl phthalate	20.0	0.18	1.0	ug/l	25.0		80	50-130			
Di-n-butyl phthalate	23.6	0.24	1.0	ug/l	25.0		95	68-130			
Di-n-octyl phthalate	24.8	0.19	1.0	ug/l	25.0		99	41-130			
Fluoranthene	23.4	0.22	1.0	ug/l	25.0		94	61-130			
Fluorene	20.0	0.35	1.0	ug/l	25.0		80	59-130			
Hexachlorobenzene	18.4	0.49	1.0	ug/l	25.0		74	55-130			
Hexachlorobutadiene	21.0	0.47	1.0	ug/l	25.0		84	41-130			
Hexachlorocyclopentadiene	8.95	1.5	5.0	ug/l	25.0		36	6-120			
Hexachloroethane	17.6	0.52	1.0	ug/l	25.0		70	42-120			
Indeno (1,2,3-cd) pyrene	20.9	0.12	1.0	ug/l	25.0		83	42-130			
Isophorone	18.8	0.21	1.0	ug/l	25.0		75	36-130			
Naphthalene	19.3	0.49	1.0	ug/l	25.0		77	41-130			
Nitrobenzene	18.2	0.36	1.0	ug/l	25.0		73	44-130			
N-Nitrosodimethylamine	13.8	0.14	1.0	ug/l	25.0		55	7-120			
N-Nitrosodi-n-propylamine	19.4	0.26	1.0	ug/l	25.0		77	37-130			
N-Nitrosodiphenylamine	16.3	0.19	1.0	ug/l	25.0		65	42-120			
Pentachlorophenol	18.0	0.19	1.0	ug/l	25.0		72	43-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
LCS (W9H1170-BS1)					**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
Phenanthrene	20.9	0.32	1.0	ug/l	25.0		84	54-130			
Phenol	8.76	0.16	1.0	ug/l	25.0		35	17-100			
Pyrene	22.8	0.25	1.0	ug/l	25.0		91	55-130			
Surrogate(s)											
2,4,6-Tribromophenol	*38.1*			*ug/l*	*50.0*		*76*	*37-120*			
2-Fluorobiphenyl	*19.1*			*ug/l*	*25.0*		*76*	*43-120*			
2-Fluorophenol	*26.9*			*ug/l*	*50.0*		*54*	*31-100*			
Nitrobenzene-d5	*18.6*			*ug/l*	*25.0*		*75*	*45-120*			
Phenol-d5	*17.6*			*ug/l*	*50.0*		*35*	*15-100*			
Terphenyl-d14	*23.3*			*ug/l*	*25.0*		*93*	*61-130*			
Matrix Spike (W9H1170-MS1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
1,2,4-Trichlorobenzene	11.3	2.8	5.0	ug/l	25.0	ND	45	44-120			M-04
1,2-Dichlorobenzene	14.9	2.8	5.0	ug/l	25.0	ND	60	46-130			M-04
1,3-Dichlorobenzene	10.8	2.6	5.0	ug/l	25.0	ND	43	39-120			M-04
1,4-Dichlorobenzene	11.6	2.8	5.0	ug/l	25.0	ND	46	40-120			M-04
2,4,6-Trichlorophenol	1.98	1.1	5.0	ug/l	25.0	ND	8	37-130			J, M-04, MS-05
2,4-Dichlorophenol	ND	1.3	5.0	ug/l	25.0	ND		43-130			M-04, MS-05
2,4-Dimethylphenol	ND	1.5	5.0	ug/l	25.0	ND		32-130			M-04, MS-05
2,4-Dinitrophenol	23.3	7.9	25	ug/l	25.0	ND	93	18-156			J, M-04
2,4-Dinitrotoluene	17.3	0.90	5.0	ug/l	25.0	ND	69	58-130			M-04
2,6-Dinitrotoluene	24.2	1.4	5.0	ug/l	25.0	ND	97	50-130			M-04
2-Chloronaphthalene	12.6	2.2	5.0	ug/l	25.0	ND	50	41-120			M-04
2-Chlorophenol	1.07	0.0	5.0	ug/l	25.0	ND	4	23-130			J, M-04, MS-05
2-Methyl-4,6-dinitrophenol	17.5	5.0	5.0	ug/l	25.0	ND	70	30-150			M-04
2-Nitrophenol	19.8	1.3	5.0	ug/l	25.0	ND	79	37-130			M-04
3,3'-Dichlorobenzidine	ND	0.0	5.0	ug/l	25.0	ND		0.1-222			M-04, MS-05
4-Bromophenyl phenyl ether	14.5	1.8	5.0	ug/l	25.0	ND	58	54-130			M-04
4-Chloro-3-methylphenol	ND	1.2	5.0	ug/l	25.0	ND		24-130			M-04, MS-05
4-Chlorophenyl phenyl ether	13.3	2.0	5.0	ug/l	25.0	ND	53	49-120			M-04
4-Nitrophenol	13.9	2.2	10	ug/l	25.0	ND	56	5-120			M-04
Acenaphthene	12.6	1.9	5.0	ug/l	25.0	ND	50	47-130			M-04
Acenaphthylene	ND	2.0	5.0	ug/l	25.0	ND		33-130			M-04, MS-05
Anthracene	1.96	1.7	5.0	ug/l	25.0	ND	8	27-130			J, M-04, MS-05
Benzo (a) anthracene	12.6	0.95	5.0	ug/l	25.0	ND	50	39-130			M-04
Benzo (a) pyrene	0.649	0.0	5.0	ug/l	25.0	ND	3	17-130			J, M-04, MS-05

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
Matrix Spike (W9H1170-MS1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
Benzo (b) fluoranthene	16.8	0.70	5.0	ug/l	25.0	ND	67	54-130			M-04, AN-IP
Benzo (g,h,i) perylene	13.6	0.50	5.0	ug/l	25.0	ND	55	22-130			M-04
Benzo (k) fluoranthene	15.5	1.1	5.0	ug/l	25.0	ND	62	44-130			M-04, AN-IP
Bis(2-chloroethoxy)methane	13.7	0.0	5.0	ug/l	25.0	ND	55	33-130			M-04
Bis(2-chloroethyl)ether	11.7	1.4	5.0	ug/l	25.0	ND	47	30-130			M-04
Bis(2-chloroisopropyl)ether	12.1	1.9	5.0	ug/l	25.0	ND	48	36-130			M-04
Bis(2-ethylhexyl)phthalate	19.6	10	10	ug/l	25.0	ND	78	50-130			M-04
Butyl benzyl phthalate	18.6	0.90	5.0	ug/l	25.0	ND	74	56-130			M-04
Chrysene	17.0	0.95	5.0	ug/l	25.0	ND	68	54-130			M-04
Dibenzo (a,h) anthracene	14.1	0.40	5.0	ug/l	25.0	ND	56	33-130			M-04
Diethyl phthalate	16.0	0.75	5.0	ug/l	25.0	ND	64	57-130			M-04
Dimethyl phthalate	16.9	0.90	5.0	ug/l	25.0	ND	68	52-120			M-04
Di-n-butyl phthalate	18.7	1.2	5.0	ug/l	25.0	ND	75	46-130			M-04
Di-n-octyl phthalate	18.7	0.95	5.0	ug/l	25.0	ND	75	60-130			M-04
Fluoranthene	18.1	1.1	5.0	ug/l	25.0	ND	72	44-130			M-04
Fluorene	15.3	1.8	5.0	ug/l	25.0	ND	61	59-130			M-04
Hexachlorobenzene	13.5	2.4	5.0	ug/l	25.0	ND	54	51-130			M-04
Hexachlorobutadiene	12.9	2.4	5.0	ug/l	25.0	ND	51	42-120			M-04
Hexachlorocyclopentadiene	8.08	7.3	25	ug/l	25.0	ND	32	15-120			M-04, J
Hexachloroethane	11.0	2.6	5.0	ug/l	25.0	ND	44	45-120			M-04, MS-05
Indeno (1,2,3-cd) pyrene	14.6	0.60	5.0	ug/l	25.0	ND	59	37-130			M-04
Isophorone	13.3	1.0	5.0	ug/l	25.0	ND	53	21-130			M-04
Naphthalene	12.8	2.4	5.0	ug/l	25.0	ND	51	39-120			M-04
Nitrobenzene	13.4	1.8	5.0	ug/l	25.0	ND	54	41-120			M-04
N-Nitrosodimethylamine	16.7	0.0	5.0	ug/l	25.0	5.89	43	17-120			M-04
N-Nitrosodi-n-propylamine	14.6	1.3	5.0	ug/l	25.0	ND	58	45-130			M-04
N-Nitrosodiphenylamine	8.77	0.0	5.0	ug/l	25.0	ND	35	49-120			M-04, MS-05
Pentachlorophenol	6.03	0.95	5.0	ug/l	25.0	ND	24	18-130			M-04
Phenanthrene	16.7	1.6	5.0	ug/l	25.0	ND	67	54-130			M-04
Phenol	ND	0.0	5.0	ug/l	25.0	ND		5-120			M-04, MS-05
Pyrene	17.2	1.2	5.0	ug/l	25.0	ND	69	54-130			M-04
Surrogate(s)											
2,4,6-Tribromophenol	*3.60*			*ug/l*	*50.0*		*7*	*37-120*			*M-04, S-GC*
2-Fluorobiphenyl	*12.0*			*ug/l*	*25.0*		*48*	*43-120*			*M-04*
2-Fluorophenol	*0.00*			*ug/l*	*50.0*			*31-100*			*M-04, S-GC*
Nitrobenzene-d5	*13.2*			*ug/l*	*25.0*		*53*	*45-120*			*M-04*

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
Matrix Spike (W9H1170-MS1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
Surrogate(s)											
Phenol-d5	*0.00*			*ug/l*	*50.0*			*15-100*			*M-04, S-GC*
Terphenyl-d14	*17.4*			*ug/l*	*25.0*		*69*	*61-130*			*M-04*
Matrix Spike Dup (W9H1170-MSD1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
1,2,4-Trichlorobenzene	12.0	2.8	5.0	ug/l	25.0	ND	48	44-120	6	30	M-04
1,2-Dichlorobenzene	16.2	2.8	5.0	ug/l	25.0	ND	65	46-130	9	30	M-04
1,3-Dichlorobenzene	11.7	2.6	5.0	ug/l	25.0	ND	47	39-120	8	30	M-04
1,4-Dichlorobenzene	12.3	2.8	5.0	ug/l	25.0	ND	49	40-120	6	30	M-04
2,4,6-Trichlorophenol	2.27	1.1	5.0	ug/l	25.0	ND	9	37-130	14	30	M-04, MS-05, J
2,4-Dichlorophenol	ND	1.3	5.0	ug/l	25.0	ND		43-130		30	M-04, MS-05
2,4-Dimethylphenol	ND	1.5	5.0	ug/l	25.0	ND		32-130		30	M-04, MS-05
2,4-Dinitrophenol	22.8	7.9	25	ug/l	25.0	ND	91	18-156	2	30	M-04, J
2,4-Dinitrotoluene	17.6	0.90	5.0	ug/l	25.0	ND	71	58-130	2	30	M-04
2,6-Dinitrotoluene	24.9	1.4	5.0	ug/l	25.0	ND	100	50-130	3	30	M-04
2-Chloronaphthalene	13.1	2.2	5.0	ug/l	25.0	ND	53	41-120	4	30	M-04
2-Chlorophenol	1.16	0.0	5.0	ug/l	25.0	ND	5	23-130	200	30	M-04, MS-05, J
2-Methyl-4,6-dinitrophenol	17.5	5.0	5.0	ug/l	25.0	ND	70	30-150	0.3	30	M-04
2-Nitrophenol	20.6	1.3	5.0	ug/l	25.0	ND	82	37-130	4	30	M-04
3,3'-Dichlorobenzidine	ND	0.0	5.0	ug/l	25.0	ND		0.1-222		30	M-04, MS-05
4-Bromophenyl phenyl ether	15.1	1.8	5.0	ug/l	25.0	ND	61	54-130	4	30	M-04
4-Chloro-3-methylphenol	ND	1.2	5.0	ug/l	25.0	ND		24-130		30	M-04, MS-05
4-Chlorophenyl phenyl ether	14.0	2.0	5.0	ug/l	25.0	ND	56	49-120	5	30	M-04
4-Nitrophenol	14.6	2.2	10	ug/l	25.0	ND	58	5-120	5	30	M-04
Acenaphthene	13.1	1.9	5.0	ug/l	25.0	ND	52	47-130	4	30	M-04
Acenaphthylene	0.977	0.0	5.0	ug/l	25.0	ND	4	33-130	200	30	M-04, MS-05, J
Anthracene	2.28	1.7	5.0	ug/l	25.0	ND	9	27-130	15	30	MS-05, M-04, J
Benzo (a) anthracene	13.0	0.95	5.0	ug/l	25.0	ND	52	39-130	3	30	M-04
Benzo (a) pyrene	0.810	0.65	5.0	ug/l	25.0	ND	3	17-130	200	30	M-04, MS-05, J
Benzo (b) fluoranthene	17.2	0.70	5.0	ug/l	25.0	ND	69	54-130	2	30	M-04, AN-IP
Benzo (g,h,i) perylene	13.2	0.50	5.0	ug/l	25.0	ND	53	22-130	3	30	M-04
Benzo (k) fluoranthene	15.4	1.1	5.0	ug/l	25.0	ND	62	44-130	0.2	30	M-04, AN-IP
Bis(2-chloroethoxy)methane	14.0	1.2	5.0	ug/l	25.0	ND	56	33-130	2	30	M-04
Bis(2-chloroethyl)ether	12.4	1.4	5.0	ug/l	25.0	ND	50	30-130	6	30	M-04
Bis(2-chloroisopropyl)ether	12.8	1.9	5.0	ug/l	25.0	ND	51	36-130	6	30	M-04
Bis(2-ethylhexyl)phthalate	19.9	10	10	ug/l	25.0	ND	80	50-130	1	30	M-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
Matrix Spike Dup (W9H1170-MSD1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
Butyl benzyl phthalate	18.7	0.90	5.0	ug/l	25.0	ND	75	56-130	0.6	30	M-04
Chrysene	17.4	0.95	5.0	ug/l	25.0	ND	70	54-130	2	30	M-04
Dibenzo (a,h) anthracene	14.0	0.40	5.0	ug/l	25.0	ND	56	33-130	1	30	M-04
Diethyl phthalate	16.4	0.75	5.0	ug/l	25.0	ND	66	57-130	2	30	M-04
Dimethyl phthalate	17.1	0.90	5.0	ug/l	25.0	ND	68	52-120	1	30	M-04
Di-n-butyl phthalate	18.7	1.2	5.0	ug/l	25.0	ND	75	46-130	0.2	30	M-04
Di-n-octyl phthalate	19.1	0.95	5.0	ug/l	25.0	ND	76	60-130	2	30	M-04
Fluoranthene	18.3	1.1	5.0	ug/l	25.0	ND	73	44-130	1	30	M-04
Fluorene	15.6	1.8	5.0	ug/l	25.0	ND	62	59-130	2	30	M-04
Hexachlorobenzene	13.8	2.4	5.0	ug/l	25.0	ND	55	51-130	2	30	M-04
Hexachlorobutadiene	13.9	2.4	5.0	ug/l	25.0	ND	56	42-120	8	30	M-04
Hexachlorocyclopentadiene	8.16	7.3	25	ug/l	25.0	ND	33	15-120	1	30	M-04, J
Hexachloroethane	11.8	2.6	5.0	ug/l	25.0	ND	47	45-120	8	30	M-04
Indeno (1,2,3-cd) pyrene	14.4	0.60	5.0	ug/l	25.0	ND	58	37-130	1	30	M-04
Isophorone	13.9	1.0	5.0	ug/l	25.0	ND	56	21-130	5	30	M-04
Naphthalene	13.4	2.4	5.0	ug/l	25.0	ND	54	39-120	5	30	M-04
Nitrobenzene	13.9	1.8	5.0	ug/l	25.0	ND	56	41-120	4	30	M-04
N-Nitrosodimethylamine	16.5	0.70	5.0	ug/l	25.0	5.89	43	17-120	1	30	M-04
N-Nitrosodi-n-propylamine	15.1	1.3	5.0	ug/l	25.0	ND	60	45-130	4	30	M-04
N-Nitrosodiphenylamine	9.39	0.0	5.0	ug/l	25.0	ND	38	49-120	7	30	M-04, MS-05
Pentachlorophenol	6.41	0.95	5.0	ug/l	25.0	ND	26	18-130	6	30	M-04
Phenanthrene	17.0	1.6	5.0	ug/l	25.0	ND	68	54-130	2	30	M-04
Phenol	ND	0.0	5.0	ug/l	25.0	ND		5-120		30	M-04, MS-05
Pyrene	17.4	1.2	5.0	ug/l	25.0	ND	70	54-130	1	30	M-04
Surrogate(s)											
2,4,6-Tribromophenol	*5.26*			*ug/l*	*50.0*		*11*	*37-120*			*M-04, S-GC*
2-Fluorobiphenyl	*13.3*			*ug/l*	*25.0*		*53*	*43-120*			*M-04*
2-Fluorophenol	*0.00*			*ug/l*	*50.0*			*31-100*			*M-04, S-GC*
Nitrobenzene-d5	*14.5*			*ug/l*	*25.0*		*58*	*45-120*			*M-04*
Phenol-d5	*0.00*			*ug/l*	*50.0*			*15-100*			*S-GC, M-04*
Terphenyl-d14	*18.2*			*ug/l*	*25.0*		*73*	*61-130*			*M-04*

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1413 - EPA 300.1											
Blank (W9H1413-BLK1)					**Prepared & Analyzed: 08/26/19**						
Bromate	ND	0.63	5.0	ug/l							
Chlorite	ND	0.70	10	ug/l							
Surrogate(s)											
Dichloroacetate	*540*			*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*540*			*ug/l*	*500*		*108*	*90-115*			
LCS (W9H1413-BS1)					**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	102	0.63	5.0	ug/l	100		102	85-115			
Chlorite	97.2	0.70	10	ug/l	100		97	85-115			
Surrogate(s)											
Dichloroacetate	*549*			*ug/l*	*500*		*110*	*90-115*			
Dichloroacetate	*549*			*ug/l*	*500*		*110*	*90-115*			
Matrix Spike (W9H1413-MS1)	**Source: 9G06001-07**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	93.9	0.63	5.0	ug/l	100	ND	94	64-133			
Chlorite	92.9	0.70	10	ug/l	100	ND	93	78-129			
Surrogate(s)											
Dichloroacetate	*547*			*ug/l*	*500*		*109*	*90-115*			
Dichloroacetate	*547*			*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W9H1413-MS2)	**Source: 9H22043-03**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	102	0.63	5.0	ug/l	100	ND	102	64-133			
Chlorite	107	0.70	10	ug/l	100	ND	107	78-129			
Surrogate(s)											
Dichloroacetate	*557*			*ug/l*	*500*		*111*	*90-115*			
Dichloroacetate	*557*			*ug/l*	*500*		*111*	*90-115*			
Matrix Spike Dup (W9H1413-MSD1)	**Source: 9G06001-07**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	92.9	0.63	5.0	ug/l	100	ND	93	64-133	1	20	
Chlorite	97.9	0.70	10	ug/l	100	ND	98	78-129	5	20	
Surrogate(s)											
Dichloroacetate	*538*			*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*538*			*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W9H1413-MSD2)	**Source: 9H22043-03**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	115	0.63	5.0	ug/l	100	ND	115	64-133	12	20	
Chlorite	103	0.70	10	ug/l	100	ND	103	78-129	4	20	
Surrogate(s)											
Dichloroacetate	*560*			*ug/l*	*500*		*112*	*90-115*			
Dichloroacetate	*560*			*ug/l*	*500*		*112*	*90-115*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1290 - EPA 531.2											
Blank (W9H1290-BLK1)					**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l							
Aldicarb	ND	0.38	2.0	ug/l							
Aldicarb sulfone	ND	0.45	2.0	ug/l							
Aldicarb sulfoxide	ND	0.41	2.0	ug/l							
Carbaryl	ND	0.48	2.0	ug/l							
Carbofuran	ND	0.59	2.0	ug/l							
Methiocarb	ND	0.57	2.0	ug/l							
Methomyl	ND	0.30	2.0	ug/l							
Oxamyl	ND	0.48	2.0	ug/l							
Propoxur (Baygon)	ND	0.60	2.0	ug/l							
Surrogate(s)											
BDMC	*10.5*			*ug/l*	*10.0*		*105*	*70-130*			
LCS (W9H1290-BS1)					**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	11.3	0.48	2.0	ug/l	10.0		113	70-130			
Aldicarb	10.8	0.38	2.0	ug/l	10.0		108	70-130			
Aldicarb sulfone	9.86	0.45	2.0	ug/l	10.0		99	70-130			
Aldicarb sulfoxide	10.7	0.41	2.0	ug/l	10.0		107	70-130			
Carbaryl	10.4	0.48	2.0	ug/l	10.0		104	70-130			
Carbofuran	9.37	0.59	2.0	ug/l	10.0		94	70-130			
Methiocarb	11.0	0.57	2.0	ug/l	10.0		110	70-130			
Methomyl	10.0	0.30	2.0	ug/l	10.0		100	70-130			
Oxamyl	9.91	0.48	2.0	ug/l	10.0		99	70-130			
Propoxur (Baygon)	9.87	0.60	2.0	ug/l	10.0		99	70-130			
Surrogate(s)											
BDMC	*8.49*			*ug/l*	*10.0*		*85*	*70-130*			
Matrix Spike (W9H1290-MS1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	10.9	0.48	2.0	ug/l	10.0	ND	109	70-130			
Aldicarb	10.6	0.38	2.0	ug/l	10.0	ND	106	70-130			
Aldicarb sulfone	10.4	0.45	2.0	ug/l	10.0	ND	104	70-130			
Aldicarb sulfoxide	9.98	0.41	2.0	ug/l	10.0	ND	100	70-130			
Carbaryl	11.0	0.48	2.0	ug/l	10.0	ND	110	70-130			
Carbofuran	11.2	0.59	2.0	ug/l	10.0	ND	112	70-130			
Methiocarb	9.78	0.57	2.0	ug/l	10.0	ND	98	70-130			
Methomyl	10.5	0.30	2.0	ug/l	10.0	ND	105	70-130			
Oxamyl	10.6	0.48	2.0	ug/l	10.0	ND	106	70-130			
Propoxur (Baygon)	10.3	0.60	2.0	ug/l	10.0	ND	103	70-130			
Surrogate(s)											
BDMC	*10.8*			*ug/l*	*10.0*		*108*	*70-130*			
Matrix Spike Dup (W9H1290-MSD1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	11.9	0.48	2.0	ug/l	10.0	ND	119	70-130	9	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1290 - EPA 531.2 (Continued)											
Matrix Spike Dup (W9H1290-MSD1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
Aldicarb	11.0	0.38	2.0	ug/l	10.0	ND	110	70-130	3	30	
Aldicarb sulfone	9.57	0.45	2.0	ug/l	10.0	ND	96	70-130	8	30	
Aldicarb sulfoxide	9.49	0.41	2.0	ug/l	10.0	ND	95	70-130	5	30	
Carbaryl	11.3	0.48	2.0	ug/l	10.0	ND	113	70-130	3	30	
Carbofuran	9.28	0.59	2.0	ug/l	10.0	ND	93	70-130	19	30	
Methiocarb	10.6	0.57	2.0	ug/l	10.0	ND	106	70-130	8	30	
Methomyl	9.85	0.30	2.0	ug/l	10.0	ND	99	70-130	6	30	
Oxamyl	9.71	0.48	2.0	ug/l	10.0	ND	97	70-130	8	30	
Propoxur (Baygon)	10.7	0.60	2.0	ug/l	10.0	ND	107	70-130	4	30	
Surrogate(s)											
BDMC	*8.77*			*ug/l*	*10.0*		*88*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1133 - EPA 515.4											
Blank (W9H1133-BLK1)					**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	ND	0.070	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l							
2,4-D	ND	0.070	0.40	ug/l							
2,4-DB	ND	0.070	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l							
Acifluorfen	ND	0.060	0.40	ug/l							
Bentazon	ND	0.11	2.0	ug/l							
Dalapon	ND	0.10	0.40	ug/l							
DCPA	ND	0.070	0.10	ug/l							
Dicamba	ND	0.12	0.60	ug/l							
Dichloroprop	ND	0.080	0.30	ug/l							
Dinoseb	ND	0.14	0.40	ug/l							
Pentachlorophenol	ND	0.040	0.20	ug/l							
Picloram	ND	0.050	0.60	ug/l							
Surrogate(s)											
2,4-DCAA	*9.90*			*ug/l*	*10.0*		*99*	*70-130*			
LCS (W9H1133-BS1)					**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	3.57	0.070	0.20	ug/l	4.00		89	70-130			
2,4,5-TP (Silvex)	3.79	0.090	0.20	ug/l	4.00		95	70-130			
2,4-D	7.30	0.070	0.40	ug/l	8.00		91	70-130			
2,4-DB	14.5	0.070	2.0	ug/l	16.0		90	70-130			
3,5-Dichlorobenzoic acid	6.93	0.090	1.0	ug/l	8.00		87	70-130			
Acifluorfen	3.73	0.060	0.40	ug/l	4.00		93	70-130			
Bentazon	14.8	0.11	2.0	ug/l	16.0		93	70-130			
Dalapon	6.91	0.10	0.40	ug/l	8.00		86	70-130			
DCPA	3.83	0.070	0.10	ug/l	4.00		96	70-130			
Dicamba	7.32	0.12	0.60	ug/l	8.00		91	70-130			
Dichloroprop	7.33	0.080	0.30	ug/l	8.00		92	70-130			
Dinoseb	3.41	0.14	0.40	ug/l	4.00		85	70-130			
Pentachlorophenol	3.77	0.040	0.20	ug/l	4.00		94	70-130			
Picloram	3.76	0.050	0.60	ug/l	4.00		94	70-130			
Surrogate(s)											
2,4-DCAA	*9.80*			*ug/l*	*10.0*		*98*	*70-130*			
Matrix Spike (W9H1133-MS1)	**Source: 9G22090-01**				**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	3.64	0.070	0.20	ug/l	4.00	ND	91	70-130			
2,4,5-TP (Silvex)	3.91	0.090	0.20	ug/l	4.00	ND	98	70-130			
2,4-D	7.36	0.070	0.40	ug/l	8.00	ND	92	70-130			
2,4-DB	22.0	0.070	2.0	ug/l	16.0	ND	137	70-130			MS-05
3,5-Dichlorobenzoic acid	14.1	0.090	1.0	ug/l	8.00	ND	176	70-130			MS-05

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1133 - EPA 515.4 (Continued)											
Matrix Spike (W9H1133-MS1)	**Source: 9G22090-01**				**Prepared: 08/21/19**	**Analyzed: 08/22/19**					
Acifluorfen	3.37	0.060	0.40	ug/l	4.00	ND	84	70-130			
Bentazon	14.3	0.11	2.0	ug/l	16.0	ND	89	70-130			
Dalapon	6.82	0.10	0.40	ug/l	8.00	ND	85	70-130			
DCPA	3.82	0.070	0.10	ug/l	4.00	ND	95	70-130			
Dicamba	7.87	0.12	0.60	ug/l	8.00	ND	98	70-130			
Dichloroprop	6.71	0.080	0.30	ug/l	8.00	ND	84	70-130			
Dinoseb	2.62	0.14	0.40	ug/l	4.00	ND	65	70-130			MS-05
Pentachlorophenol	3.71	0.040	0.20	ug/l	4.00	ND	93	70-130			
Picloram	3.77	0.050	0.60	ug/l	4.00	ND	94	70-130			
Surrogate(s)											
2,4-DCAA	*9.75*			*ug/l*	*10.0*		*98*	*70-130*			
Matrix Spike Dup (W9H1133-MSD1)	**Source: 9G22090-01**				**Prepared: 08/21/19**	**Analyzed: 08/22/19**					
2,4,5-T	3.74	0.070	0.20	ug/l	4.00	ND	93	70-130	3	30	
2,4,5-TP (Silvex)	4.12	0.090	0.20	ug/l	4.00	ND	103	70-130	5	30	
2,4-D	7.52	0.070	0.40	ug/l	8.00	ND	94	70-130	2	30	
2,4-DB	21.1	0.070	2.0	ug/l	16.0	ND	132	70-130	4	30	MS-05
3,5-Dichlorobenzoic acid	10.7	0.090	1.0	ug/l	8.00	ND	133	70-130	28	30	MS-05
Acifluorfen	3.52	0.060	0.40	ug/l	4.00	ND	88	70-130	4	30	
Bentazon	14.9	0.11	2.0	ug/l	16.0	ND	93	70-130	4	30	
Dalapon	6.59	0.10	0.40	ug/l	8.00	ND	82	70-130	3	30	
DCPA	3.94	0.070	0.10	ug/l	4.00	ND	98	70-130	3	30	
Dicamba	8.49	0.12	0.60	ug/l	8.00	ND	106	70-130	8	30	
Dichloroprop	6.90	0.080	0.30	ug/l	8.00	ND	86	70-130	3	30	
Dinoseb	2.85	0.14	0.40	ug/l	4.00	ND	71	70-130	8	30	
Pentachlorophenol	3.88	0.040	0.20	ug/l	4.00	ND	97	70-130	5	30	
Picloram	3.77	0.050	0.60	ug/l	4.00	ND	94	70-130	0.01	30	
Surrogate(s)											
2,4-DCAA	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
Batch: W9H1582 - EPA 515.4											
Blank (W9H1582-BLK1)					**Prepared: 08/28/19**	**Analyzed: 08/30/19**					
2,4,5-T	ND	0.070	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l							
2,4-D	ND	0.070	0.40	ug/l							
2,4-DB	ND	0.070	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l							
Acifluorfen	ND	0.060	0.40	ug/l							
Bentazon	ND	0.11	2.0	ug/l							
Dalapon	ND	0.10	0.40	ug/l							
DCPA	ND	0.070	0.10	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1582 - EPA 515.4 (Continued)											
Blank (W9H1582-BLK1)					**Prepared: 08/28/19 Analyzed: 08/30/19**						
Dicamba	ND	0.12	0.60	ug/l							
Dichloroprop	ND	0.080	0.30	ug/l							
Dinoseb	ND	0.14	0.40	ug/l							
Pentachlorophenol	ND	0.040	0.20	ug/l							
Picloram	ND	0.050	0.60	ug/l							
Surrogate(s)											
2,4-DCAA	*9.67*			*ug/l*	*10.0*		*97*	*70-130*			
LCS (W9H1582-BS1)					**Prepared: 08/28/19 Analyzed: 08/30/19**						
2,4,5-T	3.93	0.070	0.20	ug/l	4.00		98	70-130			
2,4,5-TP (Silvex)	3.95	0.090	0.20	ug/l	4.00		99	70-130			
2,4-D	7.52	0.070	0.40	ug/l	8.00		94	70-130			
2,4-DB	15.5	0.070	2.0	ug/l	16.0		97	70-130			
3,5-Dichlorobenzoic acid	7.26	0.090	1.0	ug/l	8.00		91	70-130			
Acifluorfen	4.28	0.060	0.40	ug/l	4.00		107	70-130			
Bentazon	16.2	0.11	2.0	ug/l	16.0		101	70-130			
Dalapon	7.15	0.10	0.40	ug/l	8.00		89	70-130			
DCPA	4.02	0.070	0.10	ug/l	4.00		101	70-130			
Dicamba	7.50	0.12	0.60	ug/l	8.00		94	70-130			
Dichloroprop	7.43	0.080	0.30	ug/l	8.00		93	70-130			
Dinoseb	3.79	0.14	0.40	ug/l	4.00		95	70-130			
Pentachlorophenol	3.88	0.040	0.20	ug/l	4.00		97	70-130			
Picloram	4.28	0.050	0.60	ug/l	4.00		107	70-130			
Surrogate(s)											
2,4-DCAA	*9.91*			*ug/l*	*10.0*		*99*	*70-130*			
Matrix Spike (W9H1582-MS1)	**Source: 9H16041-01**				**Prepared: 08/28/19 Analyzed: 08/30/19**						
2,4,5-T	3.97	0.070	0.20	ug/l	4.00	ND	99	70-130			
2,4,5-TP (Silvex)	4.04	0.090	0.20	ug/l	4.00	ND	101	70-130			
2,4-D	7.38	0.070	0.40	ug/l	8.00	ND	92	70-130			
2,4-DB	15.3	0.070	2.0	ug/l	16.0	ND	96	70-130			
3,5-Dichlorobenzoic acid	7.06	0.090	1.0	ug/l	8.00	ND	88	70-130			
Acifluorfen	4.42	0.060	0.40	ug/l	4.00	ND	110	70-130			
Bentazon	15.4	0.11	2.0	ug/l	16.0	ND	96	70-130			
Dalapon	7.15	0.10	0.40	ug/l	8.00	ND	89	70-130			
DCPA	4.19	0.070	0.10	ug/l	4.00	ND	105	70-130			
Dicamba	7.52	0.12	0.60	ug/l	8.00	ND	94	70-130			
Dichloroprop	7.33	0.080	0.30	ug/l	8.00	ND	92	70-130			
Dinoseb	4.29	0.14	0.40	ug/l	4.00	ND	107	70-130			
Pentachlorophenol	3.87	0.040	0.20	ug/l	4.00	ND	97	70-130			
Picloram	4.53	0.050	0.60	ug/l	4.00	ND	113	70-130			
Surrogate(s)											

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1582 - EPA 515.4 (Continued)											
Matrix Spike (W9H1582-MS1)	**Source: 9H16041-01**				**Prepared: 08/28/19**	**Analyzed: 08/30/19**					
Surrogate(s)											
2,4-DCAA	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
Matrix Spike Dup (W9H1582-MSD1)	**Source: 9H16041-01**				**Prepared: 08/28/19**	**Analyzed: 08/30/19**					
2,4,5-T	4.07	0.070	0.20	ug/l	4.00	ND	102	70-130	3	30	
2,4,5-TP (Silvex)	4.09	0.090	0.20	ug/l	4.00	ND	102	70-130	1	30	
2,4-D	7.49	0.070	0.40	ug/l	8.00	ND	94	70-130	1	30	
2,4-DB	16.3	0.070	2.0	ug/l	16.0	ND	102	70-130	6	30	
3,5-Dichlorobenzoic acid	6.92	0.090	1.0	ug/l	8.00	ND	87	70-130	2	30	
Acifluorfen	4.50	0.060	0.40	ug/l	4.00	ND	113	70-130	2	30	
Bentazon	16.3	0.11	2.0	ug/l	16.0	ND	102	70-130	6	30	
Dalapon	7.03	0.10	0.40	ug/l	8.00	ND	88	70-130	2	30	
DCPA	4.26	0.070	0.10	ug/l	4.00	ND	107	70-130	2	30	
Dicamba	7.52	0.12	0.60	ug/l	8.00	ND	94	70-130	0.04	30	
Dichloroprop	7.32	0.080	0.30	ug/l	8.00	ND	91	70-130	0.1	30	
Dinoseb	4.37	0.14	0.40	ug/l	4.00	ND	109	70-130	2	30	
Pentachlorophenol	3.88	0.040	0.20	ug/l	4.00	ND	97	70-130	0.2	30	
Picloram	4.65	0.050	0.60	ug/l	4.00	ND	116	70-130	2	30	
Surrogate(s)											
2,4-DCAA	*10.3*			*ug/l*	*10.0*		*103*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1081 - EPA 508											
Blank (W9H1081-BLK1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	ND	0.00090	0.010	ug/l							
4,4´-DDE	ND	0.0018	0.010	ug/l							
4,4´-DDT	ND	0.0013	0.010	ug/l							
Aldrin	ND	0.00090	0.010	ug/l							
alpha-BHC	ND	0.00080	0.010	ug/l							
Aroclor 1016	ND	0.022	0.10	ug/l							
Aroclor 1221	ND	0.084	0.10	ug/l							
Aroclor 1232	ND	0.064	0.10	ug/l							
Aroclor 1242	ND	0.070	0.10	ug/l							
Aroclor 1248	ND	0.049	0.10	ug/l							
Aroclor 1254	ND	0.068	0.10	ug/l							
Aroclor 1260	ND	0.020	0.10	ug/l							
beta-BHC	ND	0.0015	0.010	ug/l							
Chlordane (tech)	ND	0.066	0.10	ug/l							
Chlorothalonil	ND	0.0020	0.050	ug/l							
delta-BHC	ND	0.0010	0.010	ug/l							
Dieldrin	ND	0.0020	0.010	ug/l							
Endosulfan I	ND	0.00090	0.010	ug/l							
Endosulfan II	ND	0.00080	0.010	ug/l							
Endosulfan sulfate	ND	0.0013	0.010	ug/l							
Endrin	ND	0.0020	0.010	ug/l							
Endrin aldehyde	ND	0.0013	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l							
Heptachlor	ND	0.00090	0.010	ug/l							
Heptachlor epoxide	ND	0.0011	0.010	ug/l							
Hexachlorobenzene	ND	0.0030	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l							
Methoxychlor	ND	0.0044	0.010	ug/l							
PCBs, Total	ND	0.049	0.50	ug/l							
Propachlor	ND	0.010	0.050	ug/l							
Toxaphene	ND	0.066	0.50	ug/l							
Trifluralin	ND	0.0030	0.010	ug/l							
Surrogate(s)											
Decachlorobiphenyl	*0.102*			*ug/l*	*0.100*		*102*	*70-130*			
Tetrachloro-meta-xylene	*0.0776*			*ug/l*	*0.100*		*78*	*70-130*			
LCS (W9H1081-BS1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	0.112	0.00090	0.010	ug/l	0.100		112	77-137			
4,4´-DDE	0.107	0.0018	0.010	ug/l	0.100		107	69-129			
4,4´-DDT	0.123	0.0013	0.010	ug/l	0.100		123	82-142			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1081 - EPA 508 (Continued)											
LCS (W9H1081-BS1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
Aldrin	0.0906	0.00090	0.010	ug/l	0.100		91	56-116			
alpha-BHC	0.112	0.00080	0.010	ug/l	0.100		112	62-122			
beta-BHC	0.113	0.0015	0.010	ug/l	0.100		113	65-125			
delta-BHC	0.144	0.0010	0.010	ug/l	0.100		144	72-132			Q-08
Dieldrin	0.114	0.0020	0.010	ug/l	0.100		114	57-117			
Endosulfan I	0.111	0.00090	0.010	ug/l	0.100		111	57-117			
Endosulfan II	0.116	0.00080	0.010	ug/l	0.100		116	62-122			
Endosulfan sulfate	0.130	0.0013	0.010	ug/l	0.100		130	72-132			
Endrin	0.124	0.0020	0.010	ug/l	0.100		124	58-118			Q-08
Endrin aldehyde	0.115	0.0013	0.010	ug/l	0.100		115	58-118			
gamma-BHC (Lindane)	0.113	0.0015	0.010	ug/l	0.100		113	59-119			
Heptachlor	0.0966	0.00090	0.010	ug/l	0.100		97	68-128			
Heptachlor epoxide	0.115	0.0011	0.010	ug/l	0.100		115	57-117			
Methoxychlor	0.118	0.0044	0.010	ug/l	0.100		118	75-135			
Surrogate(s)											
Decachlorobiphenyl	*0.111*			*ug/l*	*0.100*		*111*	*70-130*			
Tetrachloro-meta-xylene	*0.0826*			*ug/l*	*0.100*		*83*	*70-130*			
LCS Dup (W9H1081-BSD1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	0.114	0.00090	0.010	ug/l	0.100		114	77-137	1	25	
4,4´-DDE	0.107	0.0018	0.010	ug/l	0.100		107	69-129	0.008	25	
4,4´-DDT	0.123	0.0013	0.010	ug/l	0.100		123	82-142	0.07	25	
Aldrin	0.0943	0.00090	0.010	ug/l	0.100		94	56-116	4	25	
alpha-BHC	0.115	0.00080	0.010	ug/l	0.100		115	62-122	3	25	
beta-BHC	0.115	0.0015	0.010	ug/l	0.100		115	65-125	1	25	
delta-BHC	0.141	0.0010	0.010	ug/l	0.100		141	72-132	2	25	Q-08
Dieldrin	0.114	0.0020	0.010	ug/l	0.100		114	57-117	0.2	25	
Endosulfan I	0.112	0.00090	0.010	ug/l	0.100		112	57-117	0.9	25	
Endosulfan II	0.116	0.00080	0.010	ug/l	0.100		116	62-122	0.05	25	
Endosulfan sulfate	0.129	0.0013	0.010	ug/l	0.100		129	72-132	0.8	25	
Endrin	0.124	0.0020	0.010	ug/l	0.100		124	58-118	0.4	25	Q-08
Endrin aldehyde	0.115	0.0013	0.010	ug/l	0.100		115	58-118	0.03	25	
gamma-BHC (Lindane)	0.115	0.0015	0.010	ug/l	0.100		115	59-119	2	25	
Heptachlor	0.0977	0.00090	0.010	ug/l	0.100		98	68-128	1	25	
Heptachlor epoxide	0.116	0.0011	0.010	ug/l	0.100		116	57-117	0.8	25	
Methoxychlor	0.123	0.0044	0.010	ug/l	0.100		123	75-135	4	25	
Surrogate(s)											
Decachlorobiphenyl	*0.110*			*ug/l*	*0.100*		*110*	*70-130*			
Tetrachloro-meta-xylene	*0.0804*			*ug/l*	*0.100*		*80*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results (Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0995 - EPA 549.2											
Blank (W9H0995-BLK1)					**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	ND	0.90	2.0	ug/l							
LCS (W9H0995-BS1)					**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	21.9	0.90	2.0	ug/l	20.0		109	70-130			
Matrix Spike (W9H0995-MS1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	8.28	0.90	2.0	ug/l	20.0	ND	41	46-122			MS-05
Matrix Spike Dup (W9H0995-MSD1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	8.75	0.90	2.0	ug/l	20.0	ND	44	46-122	6	30	MS-05

Quality Control Results (Continued)

Endothall By EPA 548.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1074 - EPA 548.1											
Blank (W9H1074-BLK1)					**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	ND	3.5	40	ug/l							
LCS (W9H1074-BS1)					**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	83.2	3.5	40	ug/l	100		83	31-117			
Matrix Spike (W9H1074-MS1)	**Source: 9H19100-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	22.6	7.0	80	ug/l	200	ND	11	0.1-109			J
Matrix Spike (W9H1074-MS2)	**Source: 9H15070-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	19.1	7.0	80	ug/l	200	ND	10	0.1-109			J
Matrix Spike Dup (W9H1074-MSD1)	**Source: 9H19100-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	12.0	7.0	80	ug/l	200	ND	6	0.1-109	61	30	J, MS-05
Matrix Spike Dup (W9H1074-MSD2)	**Source: 9H15070-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	16.7	7.0	80	ug/l	200	ND	8	0.1-109	14	30	J

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Fumigants by EPA Method 504.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1249 - EPA 504.1											
Blank (W9H1249-BLK1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l							
LCS (W9H1249-BS1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0909	0.0034	0.010	ug/l	0.100		91	70-130			
1,2-Dibromoethane (EDB)	0.0879	0.0054	0.020	ug/l	0.100		88	70-130			
LCS (W9H1249-BS2)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.00934	0.0034	0.010	ug/l	0.0100		93	70-130			J
1,2-Dibromoethane (EDB)	0.00766	0.0054	0.020	ug/l	0.0100		77	70-130			J
LCS Dup (W9H1249-BSD1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0918	0.0034	0.010	ug/l	0.100		92	70-130	1	30	
1,2-Dibromoethane (EDB)	0.0870	0.0054	0.020	ug/l	0.100		87	70-130	1	30	
Matrix Spike (W9H1249-MS1)	**Source: 9G22090-01**				**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0847	0.0034	0.010	ug/l	0.100	ND	85	65-135			
1,2-Dibromoethane (EDB)	0.0785	0.0054	0.020	ug/l	0.100	ND	79	65-135			
Matrix Spike Dup (W9H1249-MSD1)	**Source: 9G22090-01**				**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0841	0.0034	0.010	ug/l	0.100	ND	84	65-135	0.7	30	
1,2-Dibromoethane (EDB)	0.0794	0.0054	0.020	ug/l	0.100	ND	79	65-135	1	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1014 - EPA 547											
Blank (W9H1014-BLK1)					**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	ND	1.8	5.0	ug/l							
Blank (W9H1014-BLK2)					**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	ND	1.8	5.0	ug/l							QC-2
LCS (W9H1014-BS1)					**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	24.0	1.8	5.0	ug/l	25.0		96	70-130			
LCS (W9H1014-BS2)					**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	25.1	1.8	5.0	ug/l	25.0		100	70-130			QC-2
Matrix Spike (W9H1014-MS1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	22.8	1.8	5.0	ug/l	25.0	ND	91	41-149			
Matrix Spike (W9H1014-MS2)	**Source: 9H19100-01**				**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	21.9	1.8	5.0	ug/l	25.0	ND	88	41-149			
Matrix Spike Dup (W9H1014-MSD1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	22.4	1.8	5.0	ug/l	25.0	ND	90	41-149	2	30	
Matrix Spike Dup (W9H1014-MSD2)	**Source: 9H19100-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	27.6	1.8	5.0	ug/l	25.0	ND	110	41-149	23	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1471 - EPA 552.3											
Blank (W9H1471-BLK1)					**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l							
HAA5, Total	ND	1.0	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l							
Surrogate(s)											
2-Bromobutyric acid	*9.92*			*ug/l*	*10.0*		*99*	*70-130*			
LCS (W9H1471-BS1)					**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.18	0.32	1.0	ug/l	10.0		82	70-130			
Dichloroacetic acid (dcaa)	8.68	0.37	1.0	ug/l	10.0		87	70-130			
Monobromoacetic acid (mbaa)	7.73	0.39	1.0	ug/l	10.0		77	70-130			
Monochloroacetic acid (mcaa)	7.72	0.34	2.0	ug/l	10.0		77	70-130			
Trichloroacetic acid (tcaa)	9.33	0.28	1.0	ug/l	10.0		93	70-130			
Surrogate(s)											
2-Bromobutyric acid	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike (W9H1471-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.86	0.32	1.0	ug/l	10.0	ND	89	70-130			
Dichloroacetic acid (dcaa)	9.41	0.37	1.0	ug/l	10.0	ND	94	70-130			
Monobromoacetic acid (mbaa)	8.30	0.39	1.0	ug/l	10.0	ND	83	70-130			
Monochloroacetic acid (mcaa)	8.37	0.34	2.0	ug/l	10.0	ND	84	70-130			
Trichloroacetic acid (tcaa)	10.2	0.28	1.0	ug/l	10.0	ND	102	70-130			
Surrogate(s)											
2-Bromobutyric acid	*9.87*			*ug/l*	*10.0*		*99*	*70-130*			
Matrix Spike Dup (W9H1471-MSD1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.95	0.32	1.0	ug/l	10.0	ND	90	70-130	1	30	
Dichloroacetic acid (dcaa)	9.67	0.37	1.0	ug/l	10.0	ND	97	70-130	3	30	
Monobromoacetic acid (mbaa)	8.33	0.39	1.0	ug/l	10.0	ND	83	70-130	0.3	30	
Monochloroacetic acid (mcaa)	8.16	0.34	2.0	ug/l	10.0	ND	82	70-130	3	30	
Trichloroacetic acid (tcaa)	10.4	0.28	1.0	ug/l	10.0	ND	104	70-130	1	30	
Surrogate(s)											
2-Bromobutyric acid	*10.0*			*ug/l*	*10.0*		*100*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results (Continued)

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1182 - EPA 218.6											
Blank (W9H1182-BLK1)					**Prepared & Analyzed: 08/21/19**						
Chromium 6+	ND	0.0048	0.020	ug/l							
LCS (W9H1182-BS1)					**Prepared & Analyzed: 08/21/19**						
Chromium 6+	4.90	0.0048	0.020	ug/l	5.00		98	90-110			
Matrix Spike (W9H1182-MS1)	**Source: 9H14112-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	10.3	0.0048	0.020	ug/l	5.00	5.11	104	88-112			
Matrix Spike (W9H1182-MS2)	**Source: 9H15052-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	5.21	0.0048	0.020	ug/l	5.00	0.0356	103	88-112			
Matrix Spike Dup (W9H1182-MSD1)	**Source: 9H14112-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	9.92	0.0048	0.020	ug/l	5.00	5.11	96	88-112	4	10	
Matrix Spike Dup (W9H1182-MSD2)	**Source: 9H15052-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	5.01	0.0048	0.020	ug/l	5.00	0.0356	99	88-112	4	10	

Quality Control Results (Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0993 - EPA 1625M											
Blank (W9H0993-BLK1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l							
LCS (W9H0993-BS1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	3.64	0.50	2.0	ng/l	3.00		121	50-150			
LCS Dup (W9H0993-BSD1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	3.21	0.50	2.0	ng/l	3.00		107	50-150	12	50	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0412 - EPA 1694M-APCI											
Blank (W9I0412-BLK1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	ND	0.56	1.0	ng/l							
17-b-Estradiol	ND	0.31	1.0	ng/l							
Estrone	ND	0.20	1.0	ng/l							
Progesterone	ND	0.17	1.0	ng/l							
Testosterone	ND	0.14	1.0	ng/l							
LCS (W9I0412-BS1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	10.2	0.56	1.0	ng/l	10.0		102	68-159			
17-b-Estradiol	6.50	0.31	1.0	ng/l	10.0		65	65-146			
Estrone	11.4	0.20	1.0	ng/l	10.0		114	59-141			
Progesterone	9.68	0.17	1.0	ng/l	10.0		97	58-154			
Testosterone	10.2	0.14	1.0	ng/l	10.0		102	60-172			
LCS Dup (W9I0412-BSD1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	13.3	0.56	1.0	ng/l	10.0		133	68-159	26	30	
17-b-Estradiol	21.6	0.31	1.0	ng/l	10.0		216	65-146	107	30	BS-04
Estrone	16.7	0.20	1.0	ng/l	10.0		167	59-141	38	30	Q-08
Progesterone	8.32	0.17	1.0	ng/l	10.0		83	58-154	15	30	
Testosterone	3.21	0.14	1.0	ng/l	10.0		32	60-172	104	30	BS-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0414 - EPA 1694M-ESI-											
Blank (W9I0414-BLK1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	1.19	0.27	1.0	ng/l							B-06
Diclofenac	ND	0.26	1.0	ng/l							
Gemfibrozil	ND	0.080	1.0	ng/l							
Ibuprofen	ND	0.39	1.0	ng/l							
Iopromide	ND	1.8	5.0	ng/l							
Naproxen	ND	0.25	1.0	ng/l							
Salicylic Acid	33.4	0.86	50	ng/l							J
Triclosan	ND	1.2	2.0	ng/l							
LCS (W9I0414-BS1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	10.5	0.27	1.0	ng/l	10.0		105	53-168			
Diclofenac	14.5	0.26	1.0	ng/l	10.0		145	37-218			
Gemfibrozil	9.78	0.080	1.0	ng/l	10.0		98	76-122			
Ibuprofen	14.4	0.39	1.0	ng/l	10.0		144	67-139			BS-H
Iopromide	53.8	1.8	5.0	ng/l	50.0		108	0.1-163			
Naproxen	15.4	0.25	1.0	ng/l	10.0		154	64-138			Q-08
Salicylic Acid	126	0.86	50	ng/l	100		126	56-229			
Triclosan	11.1	1.2	2.0	ng/l	10.0		111	76-139			
LCS Dup (W9I0414-BSD1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	15.2	0.27	1.0	ng/l	10.0		152	53-168	37	30	Q-12
Diclofenac	16.0	0.26	1.0	ng/l	10.0		160	37-218	10	30	
Gemfibrozil	10.5	0.080	1.0	ng/l	10.0		105	76-122	7	30	
Ibuprofen	14.8	0.39	1.0	ng/l	10.0		148	67-139	3	30	BS-H
Iopromide	62.6	1.8	5.0	ng/l	50.0		125	0.1-163	15	30	
Naproxen	16.1	0.25	1.0	ng/l	10.0		161	64-138	4	30	Q-08
Salicylic Acid	135	0.86	50	ng/l	100		135	56-229	7	30	
Triclosan	10.8	1.2	2.0	ng/l	10.0		108	76-139	3	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0410 - EPA 1694M-ESI+											
Blank (W9I0410-BLK1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	ND	0.31	1.0	ng/l							
DEET	0.359	0.060	1.0	ng/l							J
Sucralose	ND	5.0	5.0	ng/l							
LCS (W9I0410-BS1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	12.9	0.31	1.0	ng/l	10.0		129	55-152			
DEET	9.59	0.060	1.0	ng/l	10.0		96	45-135			
Sucralose	90.9	5.0	5.0	ng/l	50.0		182	50-150			BS-H
LCS Dup (W9I0410-BSD1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	9.64	0.31	1.0	ng/l	10.0		96	55-152	29	30	
DEET	12.0	0.060	1.0	ng/l	10.0		120	45-135	22	30	
Sucralose	154	5.0	5.0	ng/l	50.0		308	50-150	52	30	BS-H

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2											
Blank (W9H1437-BLK1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	ND	0.022	0.10	ug/l							
Atrazine	ND	0.034	0.10	ug/l							
Benzo (a) pyrene	ND	0.070	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l							
Bromacil	ND	0.038	0.50	ug/l							
Butachlor	ND	0.017	0.10	ug/l							
Captan	ND	0.86	1.0	ug/l							
Chlorpropham	ND	0.010	0.10	ug/l							
Cyanazine	ND	0.024	0.10	ug/l							
Diazinon	ND	0.096	0.10	ug/l							
Dimethoate	ND	0.024	0.20	ug/l							
Diphenamid	ND	0.024	0.10	ug/l							
Disulfoton	ND	0.031	0.10	ug/l							
EPTC	ND	0.017	0.10	ug/l							
Metolachlor	ND	0.012	0.10	ug/l							
Metribuzin	ND	0.015	0.10	ug/l							
Molinate	ND	0.039	0.10	ug/l							
Prometon	ND	0.024	0.10	ug/l							
Prometryn	ND	0.036	0.10	ug/l							
Simazine	ND	0.015	0.10	ug/l							
Terbacil	ND	0.55	2.0	ug/l							
Thiobencarb	ND	0.025	0.10	ug/l							
Trithion	ND	0.012	0.10	ug/l							
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.73*			*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.14*			*ug/l*	*5.00*		*83*	*50-120*			
Triphenyl phosphate	*3.96*			*ug/l*	*5.00*		*79*	*70-130*			
LCS (W9H1437-BS1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	5.64	0.022	0.10	ug/l	5.00		113	70-130			
Atrazine	5.99	0.034	0.10	ug/l	5.00		120	70-130			
Benzo (a) pyrene	5.18	0.070	0.10	ug/l	5.00		104	60-130			
Bis(2-ethylhexyl)adipate	6.00	0.10	2.0	ug/l	5.00		120	70-130			
Bis(2-ethylhexyl)phthalate	5.78	1.1	2.0	ug/l	5.00		116	70-130			
Bromacil	5.57	0.038	0.50	ug/l	5.00		111	70-130			
Butachlor	5.97	0.017	0.10	ug/l	5.00		119	70-130			
Captan	7.79	0.86	1.0	ug/l	5.00		156	70-130			Q-08
Chlorpropham	6.08	0.010	0.10	ug/l	5.00		122	70-130			
Cyanazine	5.87	0.024	0.10	ug/l	5.00		117	70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2 (Continued)											
LCS (W9H1437-BS1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Diazinon	4.52	0.096	0.10	ug/l	5.00		90	50-120			
Dimethoate	5.73	0.024	0.20	ug/l	5.00		115	50-120			
Diphenamid	5.60	0.024	0.10	ug/l	5.00		112	70-130			
Disulfoton	4.18	0.031	0.10	ug/l	5.00		84	50-120			
EPTC	5.07	0.017	0.10	ug/l	5.00		101	70-130			
Metolachlor	5.81	0.012	0.10	ug/l	5.00		116	60-130			
Metribuzin	5.51	0.015	0.10	ug/l	5.00		110	50-120			
Molinate	5.36	0.039	0.10	ug/l	5.00		107	70-130			
Prometon	1.12	0.024	0.10	ug/l	5.00		22	15-120			
Prometryn	4.04	0.036	0.10	ug/l	5.00		81	30-120			
Simazine	4.89	0.015	0.10	ug/l	5.00		98	60-130			
Terbacil	6.52	0.55	2.0	ug/l	5.00		130	70-130			
Thiobencarb	4.96	0.025	0.10	ug/l	5.00		99	70-130			
Trithion	5.78	0.012	0.10	ug/l	5.00		116	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.56*			*ug/l*	*5.00*		*91*	*70-130*			
Perylene-d12	*4.96*			*ug/l*	*5.00*		*99*	*50-120*			
Triphenyl phosphate	*6.16*			*ug/l*	*5.00*		*123*	*70-130*			
Matrix Spike (W9H1437-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	5.65	0.022	0.10	ug/l	5.00	ND	113	70-130			
Atrazine	6.23	0.034	0.10	ug/l	5.00	ND	125	70-130			
Benzo (a) pyrene	5.57	0.070	0.10	ug/l	5.00	ND	111	60-130			
Bis(2-ethylhexyl)adipate	6.35	0.10	2.0	ug/l	5.00	ND	127	70-130			
Bis(2-ethylhexyl)phthalate	6.05	1.1	2.0	ug/l	5.00	ND	121	70-130			
Bromacil	6.45	0.038	0.50	ug/l	5.00	ND	129	70-130			
Butachlor	5.56	0.017	0.10	ug/l	5.00	ND	111	70-130			
Captan	7.91	0.86	1.0	ug/l	5.00	ND	158	70-130			Q-08
Chlorpropham	6.84	0.010	0.10	ug/l	5.00	ND	137	70-130			MS-05
Cyanazine	5.69	0.024	0.10	ug/l	5.00	ND	114	70-130			
Diazinon	4.96	0.096	0.10	ug/l	5.00	ND	99	50-120			
Dimethoate	6.59	0.024	0.20	ug/l	5.00	ND	132	50-120			MS-05
Diphenamid	5.74	0.024	0.10	ug/l	5.00	ND	115	70-130			
Disulfoton	4.79	0.031	0.10	ug/l	5.00	ND	96	50-120			
EPTC	5.16	0.017	0.10	ug/l	5.00	ND	103	70-130			
Metolachlor	6.04	0.012	0.10	ug/l	5.00	ND	121	60-130			
Metribuzin	6.16	0.015	0.10	ug/l	5.00	ND	123	50-120			MS-05
Molinate	5.63	0.039	0.10	ug/l	5.00	ND	113	70-130			
Prometon	1.77	0.024	0.10	ug/l	5.00	ND	35	15-120			
Prometryn	3.86	0.036	0.10	ug/l	5.00	ND	77	30-120			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2 (Continued)											
Matrix Spike (W9H1437-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/06/19**					
Simazine	5.19	0.015	0.10	ug/l	5.00	ND	104	60-130			
Terbacil	7.62	0.55	2.0	ug/l	5.00	ND	152	70-130			MS-05
Thiobencarb	5.16	0.025	0.10	ug/l	5.00	ND	103	70-130			
Trithion	5.44	0.012	0.10	ug/l	5.00	ND	109	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.84*			*ug/l*	*5.00*		*97*	*70-130*			
Perylene-d12	*4.99*			*ug/l*	*5.00*		*100*	*50-120*			
Triphenyl phosphate	*6.49*			*ug/l*	*5.00*		*130*	*70-130*			
Matrix Spike Dup (W9H1437-MSD1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/06/19**					
Alachlor	5.70	0.022	0.10	ug/l	5.00	ND	114	70-130	1	30	
Atrazine	5.59	0.034	0.10	ug/l	5.00	ND	112	70-130	11	30	
Benzo (a) pyrene	5.65	0.070	0.10	ug/l	5.00	ND	113	60-130	1	30	
Bis(2-ethylhexyl)adipate	6.28	0.10	2.0	ug/l	5.00	ND	126	70-130	1	30	
Bis(2-ethylhexyl)phthalate	5.91	1.1	2.0	ug/l	5.00	ND	118	70-130	2	30	
Bromacil	6.55	0.038	0.50	ug/l	5.00	ND	131	70-130	2	30	MS-05
Butachlor	5.54	0.017	0.10	ug/l	5.00	ND	111	70-130	0.3	30	
Captan	7.42	0.86	1.0	ug/l	5.00	ND	148	70-130	6	30	Q-08
Chlorpropham	6.96	0.010	0.10	ug/l	5.00	ND	139	70-130	2	30	MS-05
Cyanazine	5.39	0.024	0.10	ug/l	5.00	ND	108	70-130	5	30	
Diazinon	5.12	0.096	0.10	ug/l	5.00	ND	102	50-120	3	30	
Dimethoate	6.25	0.024	0.20	ug/l	5.00	ND	125	50-120	5	30	MS-05
Diphenamid	5.49	0.024	0.10	ug/l	5.00	ND	110	70-130	5	30	
Disulfoton	5.02	0.031	0.10	ug/l	5.00	ND	100	50-120	5	30	
EPTC	5.35	0.017	0.10	ug/l	5.00	ND	107	70-130	4	30	
Metolachlor	5.78	0.012	0.10	ug/l	5.00	ND	116	60-130	4	30	
Metribuzin	6.08	0.015	0.10	ug/l	5.00	ND	122	50-120	1	30	MS-05
Molinate	5.68	0.039	0.10	ug/l	5.00	ND	114	70-130	0.9	30	
Prometon	1.95	0.024	0.10	ug/l	5.00	ND	39	15-120	10	30	
Prometryn	4.18	0.036	0.10	ug/l	5.00	ND	84	30-120	8	30	
Simazine	5.09	0.015	0.10	ug/l	5.00	ND	102	60-130	2	30	
Terbacil	7.52	0.55	2.0	ug/l	5.00	ND	150	70-130	1	30	MS-05
Thiobencarb	5.38	0.025	0.10	ug/l	5.00	ND	108	70-130	4	30	
Trithion	5.34	0.012	0.10	ug/l	5.00	ND	107	70-130	2	30	
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.97*			*ug/l*	*5.00*		*99*	*70-130*			
Perylene-d12	*5.14*			*ug/l*	*5.00*		*103*	*50-120*			
Triphenyl phosphate	*6.18*			*ug/l*	*5.00*		*124*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
B-06	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch.
BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
BS-H	The recovery of this analyte in the BS/LCS was over the control limit. Sample result is suspect.
J	Estimated conc. detected <MRL and >MDL.
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
M-04	Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
% Rec	Percent Recovery
Dil	Dilution
dry	Sample results reported on a dry weight basis
MDA	Minimum Detectable Activity
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
NR	Not Reportable
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

9H160051

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

Weck Labs - Sub
14859 Clark Ave.
Hacienda Heights, CA
91745

ATTN: Regina Giancola
PO# 1038449

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1625CM	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1694M_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	218.6_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	300.1_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	504.1_Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	508 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	515.3 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	525.2 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	531.1 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	547 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	548.1 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	549.2 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	552.2 Haloacetic Acid_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	625 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1625CM	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1694M_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	218.6_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	300.1_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	504.1_Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	508 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	515.3 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	525.2 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	531.1 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	547 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	548.1 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	549.2 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	552.2 Haloacetic Acid_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	625 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1625CM	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1694M_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	218.6_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	300.1_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	504.1_Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	508 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	515.3 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	525.2 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	531.1 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	547 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	548.1 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	549.2 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	552.2 Haloacetic Acid_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	625 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1625CM	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1694M_OUT	

9H160051

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	218.6_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	300.1_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	504.1_Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	508 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	515.3 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	525.2 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	531.1 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	547 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	548.1 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	549.2 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	552.2 Haloacetic Acid_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	625 Out	

Note:
Standard TAT

See attached compound lists for compounds to be reported and project specific reporting limits.

Since 1694 analyses will most likely take 1-2 months, please report the other methods as soon as they are all done.

Relinquished By

Date/Time 8/16/19 1308

Date/Time 8-16-19 1406

Received By:

Date/Time 8-16-19 1306

Date/Time 8/16-19 14:06

5.3° T-0222

Compound	Method	New RL	Units	
Bromate	EPA 300.1	5	ug/L	Weck
Chlorite	EPA 300.1	10	ug/L	Weck
DBCP	EPA 504.1	0.01	ug/L	Weck
EDB	EPA 504.1	0.02	ug/L	Weck
Endrin	EPA 508	0.01	ug/L	Weck
Heptachlor	EPA 508	0.01	ug/L	Weck
Heptachlor Epoxide	EPA 508	0.01	ug/L	Weck
Hexachlororbenzene	EPA 508	0.05	ug/L	Weck
Hexachlorocyclopentadiene	EPA 508	0.05	ug/L	Weck
Lindane	EPA 508	0.01	ug/L	Weck
Methoxychlor	EPA 508	0.01	ug/L	Weck
PCBs	EPA 508	0.5	ug/L	Weck
PCBs (1016,1221,1232,1242,1248,1254,1260)	EPA 508	0.5	ug/L	Weck
Toxaphene	EPA 508	0.5	ug/L	Weck
Aldrin	EPA 508	0.01	ug/L	Weck
a-BHC	EPA 508	0.01	ug/L	Weck
b-BHC	EPA 508	0.01	ug/L	Weck
g-BHC	EPA 508	0.01	ug/L	Weck
d-BHC	EPA 508	0.01	ug/L	Weck
4,4'-DDT	EPA 508	0.01	ug/L	Weck
4,4'-DDE	EPA 508	0.01	ug/L	Weck
4-4'-DDD	EPA 508	0.01	ug/L	Weck
Chlordane	EPA 508	0.1	ug/L	Weck
Dieldrin	EPA 508	0.01	ug/L	Weck
a-Endosulfan	EPA 508	0.01	ug/L	Weck
b-Endosulfan	EPA 508	0.01	ug/L	Weck
Endosulfan Sulfate	EPA 508	0.01	ug/L	Weck
Endrin Aldehyde	EPA 508	0.01	ug/L	Weck
Bentazon	EPA 515.3	2	ug/L	Weck
2,4-D	EPA 515.3	0.4	ug/L	Weck
Dalapon	EPA 515.3	0.4	ug/L	Weck
Dinoseb	EPA 515.3	0.4	ug/L	Weck
Picloram	EPA 515.3	0.6	ug/L	Weck
Pentachlorophenol	EPA 515.3	0.2	ug/L	Weck
2,4,5-TP (Silvex)	EPA 515.3	0.2	ug/L	Weck
Alachlor	EPA 525.2	0.1	ug/L	Weck
Atrazine	EPA 525.2	0.1	ug/L	Weck
Molinate	EPA 525.2	0.1	ug/L	Weck
Simazine	EPA 525.2	0.1	ug/L	Weck
Thiobencarb	EPA 525.2	0.1	ug/L	Weck
Benzo(a)pyrene	EPA 525.2	0.1	ug/L	Weck
Di(2-ethylhexyl)adipate	EPA 525.2	2	ug/L	Weck
Di(2-ethylhexyl)phthalate	EPA 525.2	2	ug/L	Weck
Carbofuran	EPA 531.1	2	ug/L	Weck
Oxamyl	EPA 531.1	2	ug/L	Weck
Glyphosate	EPA 547	5	ug/L	Weck
Endothall	EPA 548.1	40	ug/L	Weck
Diquat	EPA 549.2	2	ug/L	Weck
Monochloroacetic acid	EPA 552.2	2	ug/L	Weck
Dichloroacetic acid	EPA 552.2	1	ug/L	Weck

Trichloroacetic acid	EPA 552.2	1	ug/L	Weck
Monobromoacetic acid	EPA 552.2	1	ug/L	Weck
Dibromoacetic acid	EPA 552.2	1	ug/L	Weck
2-Chlorophenol	EPA 625	1	ug/L	Weck
2,4-Dichlorophenol	EPA 625	1	ug/L	Weck
2,4-Dimethylphenol	EPA 625	1	ug/L	Weck
4,6-Dinitro-2-Methylphenol	EPA 625	1	ug/L	Weck
2,4-Dinitrophenol	EPA 625	5	ug/L	Weck
2-Nitrophenol	EPA 625	1	ug/L	Weck
4-Nitrophenol	EPA 625	2	ug/L	Weck
4-Chloro-3-Methylphenol	EPA 625	1	ug/L	Weck
Phenol	EPA 625	1	ug/L	Weck
2,4,6-Trichlorophenol	EPA 625	1	ug/L	Weck
Acenapthene	EPA 625	1	ug/L	Weck
Acenaphthylene	EPA 625	1	ug/L	Weck
Anthracene	EPA 625	1	ug/L	Weck
Benzidine	EPA 625	10	ug/L	Weck
Benzo(a)anthracene	EPA 625	1	ug/L	Weck
Benzo(b)fluoranthene	EPA 625	1	ug/L	Weck
Benzo(ghi)perylene	EPA 625	1	ug/L	Weck
Benzo(k)fluoranthene	EPA 625	1	ug/L	Weck
Bis(2-chloroethoxy) Methane	EPA 625	1	ug/L	Weck
Bis(2-chloroethyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-chloroisopropyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-ethylhexyl) Phthalate	EPA 625	2	ug/L	Weck
4-Bromophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Butylbenzyl Phthalate	EPA 625	1	ug/L	Weck
Fluoranthene	EPA 625	1	ug/L	Weck
Fluorene	EPA 625	1	ug/L	Weck
Hexachlorobutadiene	EPA 625	1	ug/L	Weck
Hexachloroethane	EPA 625	1	ug/L	Weck
Indeno(1,2,3-cd) Pyrene	EPA 625	1	ug/L	Weck
Isophorone	EPA 625	1	ug/L	Weck
Naphthalene	EPA 625	1	ug/L	Weck
Nitrobenzene	EPA 625	1	ug/L	Weck
N-nitrosodi-N-propylamine	EPA 625	1	ug/L	Weck
N-Nitrosodiphenylamine	EPA 625	1	ug/L	Weck
Phenanthrene	EPA 625	1	ug/L	Weck
Pyrene	EPA 625	1	ug/L	Weck
2-Chloronaphthalene	EPA 625	1	ug/L	Weck
4-Chlorophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Chrysene	EPA 625	1	ug/L	Weck
Dibenzo(ah)anthracene	EPA 625	1	ug/L	Weck
3-3'-Dichlorobenzidine	EPA 625	1	ug/L	Weck
Diethyl Phthalate	EPA 625	1	ug/L	Weck
Dimethyl Phthalate	EPA 625	1	ug/L	Weck
Di-n-butyl Phthalate	EPA 625	1	ug/L	Weck
2,4-Dinitrotoluene	EPA 625	1	ug/L	Weck
2,6-Dinitrotoluene	EPA 625	1	ug/L	Weck
Di-n-octyl Phthalate	EPA 625	1	ug/L	Weck
1,2-Diphenylhydrazine (Azobenzene)	EPA 625	1	ug/L	Weck
17B-Estradiol	EPA 1694M-APCI	1	ng/L	
Caffeine	EPA 1694M-ESI+	1	ng/L	
Triclosan	EPA 1694M-ESI-	2	ng/L	
DEET	EPA 1694M-ESI+	1	ng/L	
Sucralose	EPA 1694M-ESI+	5	ng/L	
NDMA	EPA 1625M	2	ng/L	
Chromium (VI)	EPA 218.6	0.02	ug/L	Weck

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 10, 2019

Ms. Patty Mata
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

RE: Project: 418338
Pace Project No.: 30320349

Dear Ms. Mata:
Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 418338
Pace Project No.: 30320349

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 418338
Pace Project No.: 30320349

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30320349001	**418338-001**	Water	08/14/19 08:30	08/17/19 10:10
30320349002	**418338-002**	Water	08/14/19 08:45	08/17/19 10:10
30320349003	**418338-003**	Water	08/14/19 12:30	08/17/19 10:10
30320349004	**418338-004**	Water	08/14/19 12:30	08/17/19 10:10

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: 418338
Pace Project No.: 30320349

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30320349001	**418338-001**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320349002	**418338-002**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320349003	**418338-003**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320349004	**418338-004**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

Sample: 418338-001 **Lab ID: 30320349001** Collected: 08/14/19 08:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**5.16 ± 2.64 (3.65) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**4.71 ± 1.78 (2.46) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.690 ± 0.460 (0.571) C:NA T:92%**	pCi/L	09/06/19 11:40	13982-63-3	
Radium-228	EPA 904.0	**0.635 ± 0.419 (0.800) C:77% T:84%**	pCi/L	08/30/19 14:46	15262-20-1	
Strontium-90	ASTM D5811-95	**-0.290 ± 1.23 (2.37) C:105% T:NA**	pCi/L	09/03/19 19:48	10098-97-2	N2
Tritium	EPA 906.0	**-120 ± 132 (244) C:NA T:NA**	pCi/L	09/04/19 13:25	10028-17-8	
Total Uranium	ASTM D5174-97	**6.36 ± 0.190 (0.262) C:NA T:NA**	ug/L	09/09/19 16:42	7440-61-1	

Sample: 418338-002 **Lab ID: 30320349002** Collected: 08/14/19 08:45 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**19.3 ± 5.95 (5.41) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**4.05 ± 2.17 (3.34) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.251 ± 0.297 (0.466) C:NA T:98%**	pCi/L	09/06/19 11:40	13982-63-3	
Radium-228	EPA 904.0	**0.568 ± 0.377 (0.717) C:81% T:85%**	pCi/L	08/30/19 14:46	15262-20-1	
Strontium-90	ASTM D5811-95	**-1.20 ± 1.17 (2.27) C:99% T:NA**	pCi/L	09/03/19 19:48	10098-97-2	N2
Tritium	EPA 906.0	**1,950 ± 337 (243) C:NA T:NA**	pCi/L	09/04/19 14:27	10028-17-8	
Total Uranium	ASTM D5174-97	**25.2 ± 0.746 (1.048) C:NA T:NA**	ug/L	09/09/19 17:02	7440-61-1	

Sample: 418338-003 **Lab ID: 30320349003** Collected: 08/14/19 12:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**1.88 ± 2.86 (5.28) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**18.6 ± 4.36 (3.97) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.0528 ± 0.274 (0.569) C:NA T:94%**	pCi/L	09/06/19 11:40	13982-63-3	
Radium-228	EPA 904.0	**0.374 ± 0.345 (0.703) C:81% T:86%**	pCi/L	08/30/19 14:46	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

Sample: 418338-003 **Lab ID: 30320349003** Collected: 08/14/19 12:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Strontium-90	ASTM D5811-95	**0.792 ± 0.976 (1.78) C:97% T:NA**	pCi/L	09/03/19 19:48	10098-97-2	N2
Tritium	EPA 906.0	**-37.3 ± 136 (243) C:NA T:NA**	pCi/L	09/04/19 15:28	10028-17-8	
Total Uranium	ASTM D5174-97	**0.935 ± 0.029 (0.262) C:NA T:NA**	ug/L	09/09/19 16:46	7440-61-1	

Sample: 418338-004 **Lab ID: 30320349004** Collected: 08/14/19 12:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**5.55 ± 4.27 (6.96) C:NA T:NA**	pCi/L	09/02/19 13:34	12587-46-1	
Gross Beta	EPA 900.0	**13.7 ± 3.69 (4.02) C:NA T:NA**	pCi/L	09/02/19 13:34	12587-47-2	
Radium-226	EPA 903.1	**1.09 ± 0.617 (0.726) C:NA T:79%**	pCi/L	09/06/19 11:40	13982-63-3	
Radium-228	EPA 904.0	**0.784 ± 0.439 (0.802) C:81% T:80%**	pCi/L	08/30/19 14:46	15262-20-1	
Strontium-90	ASTM D5811-95	**-1.45 ± 1.34 (2.61) C:104% T:NA**	pCi/L	09/03/19 19:48	10098-97-2	N2
Tritium	EPA 906.0	**-145 ± 131 (243) C:NA T:NA**	pCi/L	09/04/19 16:29	10028-17-8	
Total Uranium	ASTM D5174-97	**1.17 ± 0.037 (0.262) C:NA T:NA**	ug/L	09/09/19 16:48	7440-61-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 357929 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1738193 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.188 ± 0.320 (0.565) C:NA T:83%	pCi/L	09/06/19 10:59	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 357930 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1738194 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.641 ± 0.372 (0.675) C:80% T:84%	pCi/L	08/30/19 14:41	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 359135 Analysis Method: EPA 906.0
QC Batch Method: EPA 906.0 Analysis Description: 906.0 Tritium
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1743532 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-92.1 ± 133 (243) C:NA T:NA	pCi/L	09/04/19 07:16	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 358194 Analysis Method: ASTM D5174-97
QC Batch Method: ASTM D5174-97 Analysis Description: D5174.97 Total Uranium KPA
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1739387 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.018 ± 0.001 (0.262) C:NA T:NA	ug/L	09/03/19 15:52	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 358208 Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0 Analysis Description: 900.0 Gross Alpha/Beta
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1739413 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.267 ± 0.793 (1.92) C:NA T:NA	pCi/L	09/03/19 08:30	
Gross Beta	0.265 ± 0.820 (1.92) C:NA T:NA	pCi/L	09/03/19 08:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 358820 Analysis Method: ASTM D5811-95
QC Batch Method: ASTM D5811-95 Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1742231 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	-0.184 ± 0.323 (0.878) C:106% T:NA	pCi/L	09/03/19 08:47	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 418338
Pace Project No.: 30320349

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

WO# : 30320349

30320349

Subcontract Laboratory:

Pace PA - Sub
1638 Roseytown Rd., Suite
Greensburg, PA 15601
724-850-5600
ATTN: Jacquelyn Collins
PO# 1038435

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	900.0 Gross Alpha and Beta	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	903.1 Radiuum-226	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	904.0 Radium-228	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	905.0 Strontium-90	001
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	906.0 Tritium	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	908.0 Uranium	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	900.0 Gross Alpha and Beta	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	903.1 Radiuum-226	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	904.0 Radium-228	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	905.0 Strontium-90	002
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	906.0 Tritium	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	908.0 Uranium	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	900.0 Gross Alpha and Beta	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	903.1 Radiuum-226	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	904.0 Radium-228	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	905.0 Strontium-90	003
Water	08/14/19 12:30	SMBRP-12 (418338-003)	906.0 Tritium	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	908.0 Uranium	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	900.0 Gross Alpha and Beta	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	903.1 Radiuum-226	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	904.0 Radium-228	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	905.0 Strontium-90	004
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	906.0 Tritium	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	908.0 Uranium	

Note:
Standard TAT

Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Relinquished By	Received By:
Date/Time 8/15/19 1540	Date/Time
Date/Time	Date/Time

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalph

Project # # 30320349

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7760 0071-5142-5072

Label / LIMS Login

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Thermometer Used NA Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp — °C Correction Factor: — °C Final Temp: — °C

Temp should be above freezing to 6°C

pH paper Lot# 103587 Date and Initials of person examining contents: VMG 8/17/19

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: NA	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. See Comments mg 8/17/19
All containers meet method preservation requirements.		✓		Initial when completed: VMG Date/time of preservation: VMG 8/17/19 13:00
				Lot # of added preservative: DL19-0810
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: VMG Date: 8/17/19

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: Rcvd 6 bottles and 1 unpreserved Jar for each sample
418338-001 - added 2.5ml of HNO3 to (5) sample bottles - rcvd (1) preserved btls
418338-002 - added 2.5ml of HNO3 to (5) sample btls - rcvd (2) preserved btls
418338-003 - added 2.5ml of HNO3 to (5) sample btls - rcvd (2) preserved btls
418338-004 - added 2.5ml of HNO3 to (5) sample btls - rcvd (2) preserved btls

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-4817-1
Client Project/Site: 418338

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/25/2019 10:31:40 PM

Xuan Dang, Project Manager I
(714)895-5494
xuandang@eurofinsus.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 7
QC Association Summary 8
Lab Chronicle 9
Certification Summary 10
Method Summary 11
Sample Summary 12
Chain of Custody 13
Receipt Checklists 14

Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 570-4817-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-4817-1

Comments
No additional comments.

Receipt
The samples were received on 8/15/2019 5:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2º C.

GC Semi VOA
Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12951 and 570-12951 and analytical batch 570-12974.LCS/LCSD perform to meet QC requirement.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method(s) 1664A: The following samples required a copper clean-up to reduce matrix interferences caused by sulfur: MCWP-MW075 (418338-001) (570-4817-1), MCWP-MW07D (418338-002) (570-4817-2), SMBRP-12 (418338-003) (570-4817-3) and MCWP-MW09 (418338-004) (570-4817-4).

Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12951 and 570-12951.LCS/LCSD perform to meet QC requirement

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Client Sample ID: MCWP-MW075 (418338-001) — Lab Sample ID: 570-4817-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.24		1.18	0.941	mg/L	1		1664A	Total/NA

Client Sample ID: MCWP-MW07D (418338-002) — Lab Sample ID: 570-4817-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	3.76		1.18	0.941	mg/L	1		1664A	Total/NA

Client Sample ID: SMBRP-12 (418338-003) — Lab Sample ID: 570-4817-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	2.59		1.18	0.941	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	1.64	J	1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW09 (418338-004) — Lab Sample ID: 570-4817-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.00		1.18	0.941	mg/L	1		1664A	Total/NA

This Detection Summary does not include radiochemical test results.

General Chemistry

Client Sample ID: MCWP-MW075 (418338-001)
Date Collected: 08/14/19 08:30
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**4.24**		1.18	0.941	mg/L		08/16/19 10:22	08/16/19 11:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/15/19 20:48	1

Client Sample ID: MCWP-MW07D (418338-002)
Date Collected: 08/14/19 08:45
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**3.76**		1.18	0.941	mg/L		08/16/19 10:22	08/16/19 11:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/15/19 20:48	1

Client Sample ID: SMBRP-12 (418338-003)
Date Collected: 08/14/19 12:30
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**2.59**		1.18	0.941	mg/L		08/16/19 10:22	08/16/19 11:59	1
Biochemical Oxygen Demand	**1.64**	**J**	1.67	0.973	mg/L			08/15/19 20:48	1

Client Sample ID: MCWP-MW09 (418338-004)
Date Collected: 08/14/19 12:30
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**4.00**		1.18	0.941	mg/L		08/16/19 10:33	08/16/19 11:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/15/19 20:48	1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-12951/1-A
Matrix: Water
Analysis Batch: 12974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.800	mg/L		08/16/19 10:22	08/16/19 11:59	1

Lab Sample ID: LCS 570-12951/2-A
Matrix: Water
Analysis Batch: 12974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	37.00		mg/L		92	78 - 114

Lab Sample ID: LCSD 570-12951/3-A
Matrix: Water
Analysis Batch: 12974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	36.80		mg/L		92	78 - 114	1	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-13982/2
Matrix: Water
Analysis Batch: 13982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.8422		0.833	0.487	mg/L			08/15/19 20:48	1

Lab Sample ID: USB 570-13982/1
Matrix: Water
Analysis Batch: 13982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		0.833	0.487	mg/L			08/15/19 20:48	1

Lab Sample ID: LCS 570-13982/3
Matrix: Water
Analysis Batch: 13982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	199.9		mg/L		101	84.6 - 115.4

Lab Sample ID: 570-4817-4 DU
Matrix: Water
Analysis Batch: 13982

Client Sample ID: MCWP-MW09 (418338-004)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	ND		ND		mg/L		NC	25

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

General Chemistry

Prep Batch: 12951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4817-1	MCWP-MW075 (418338-001)	Total/NA	Water	1664A	
570-4817-2	MCWP-MW07D (418338-002)	Total/NA	Water	1664A	
570-4817-3	SMBRP-12 (418338-003)	Total/NA	Water	1664A	
570-4817-4	MCWP-MW09 (418338-004)	Total/NA	Water	1664A	
MB 570-12951/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-12951/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-12951/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 12974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4817-1	MCWP-MW075 (418338-001)	Total/NA	Water	1664A	12951
570-4817-2	MCWP-MW07D (418338-002)	Total/NA	Water	1664A	12951
570-4817-3	SMBRP-12 (418338-003)	Total/NA	Water	1664A	12951
570-4817-4	MCWP-MW09 (418338-004)	Total/NA	Water	1664A	12951
MB 570-12951/1-A	Method Blank	Total/NA	Water	1664A	12951
LCS 570-12951/2-A	Lab Control Sample	Total/NA	Water	1664A	12951
LCSD 570-12951/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	12951

Analysis Batch: 13982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4817-1	MCWP-MW075 (418338-001)	Total/NA	Water	SM5210B	
570-4817-2	MCWP-MW07D (418338-002)	Total/NA	Water	SM5210B	
570-4817-3	SMBRP-12 (418338-003)	Total/NA	Water	SM5210B	
570-4817-4	MCWP-MW09 (418338-004)	Total/NA	Water	SM5210B	
SCB 570-13982/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-13982/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-13982/3	Lab Control Sample	Total/NA	Water	SM5210B	
570-4817-4 DU	MCWP-MW09 (418338-004)	Total/NA	Water	SM5210B	

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Client Sample ID: MCWP-MW075 (418338-001)

Lab Sample ID: 570-4817-1

Date Collected: 08/14/19 08:30
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:22	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Client Sample ID: MCWP-MW07D (418338-002)

Lab Sample ID: 570-4817-2

Date Collected: 08/14/19 08:45
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:22	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Client Sample ID: SMBRP-12 (418338-003)

Lab Sample ID: 570-4817-3

Date Collected: 08/14/19 12:30
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:22	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Client Sample ID: MCWP-MW09 (418338-004)

Lab Sample ID: 570-4817-4

Date Collected: 08/14/19 12:30
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:33	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	ECL 1
SM5210B	BOD, 5 Day	SM	ECL 1
1664A	HEM and SGT-HEM (Aqueous)	1664A	ECL 1

Protocol References:

1664A = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-4817-1	MCWP-MW075 (418338-001)	Water	08/14/19 08:30	08/15/19 17:55	
570-4817-2	MCWP-MW07D (418338-002)	Water	08/14/19 08:45	08/15/19 17:55	
570-4817-3	SMBRP-12 (418338-003)	Water	08/14/19 12:30	08/15/19 17:55	
570-4817-4	MCWP-MW09 (418338-004)	Water	08/14/19 12:30	08/15/19 17:55	

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771 900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1038438

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1664_Total_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	5210B BOD_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1664_Total_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	5210B BOD_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1664_Total_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	5210B BOD_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1664_Total_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	5210B BOD_OUT	

Note:
Standard TAT

Relinquished By	Received By:
Sam R	pamyk
Date/Time 8/15/19 1755	Date/Time 8/15/19 17:55
Date/Time	Date/Time

570-4817 Chain of Custody

4.0/4.2 Scb

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-4817-1

Login Number: 4817
List Number: 1
Creator: Liao, Gineyau

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project # 418338
Samples Received: 08/16/2019

Analytical Report
0819-733

Method 1613B
2,3,7,8-TCDD

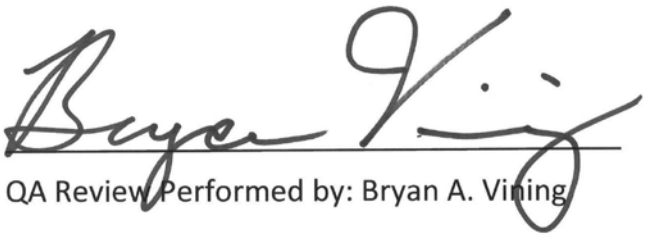
Enthalpy Analytical, LLC – Ultratrace

O: (910) 212-5858 / F: 910-212-5866
www.enthalpy.com
2714 Exchange Drive
Wilmington, NC 28405

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 22 pages.



QA Review Performed by: Bryan A. Vining

Report Issued Date: 03 SEP 19

ENTHALPY ANALYTICAL

Summary of Results

Summary of Results: I-TEF TEQ

Enthalpy Ultratrace Batch

10424

Method 1613B

Analyte	Method Blank pg/L	MCWP-MW075 (418338-001) pg/L	MCWP-MW07D (418338-002) pg/L	SMBRP-12 (418338-003) pg/L	MCWP-MW09 (418338-004) pg/L
2,3,7,8-TCDD	(1.3)	(1.29)	(1.23)	(1.29)	(1.24)
Lab Sample ID	LMB_10424_DF	0819-733_10424_001	0819-733_10424_002	0819-733_10424_003	0819-733_10424_004

Detailed Results

MCWP-MW075 (418338-001)								Detailed Results - Method 1613B
Client Details								
Client Sample ID:	MCWP-MW075 (418338-001)			Client Name:	Enthalpy-Orange			
Client Project ID:	418338			Sample Collection Date:	14-Aug-19		RRFs:	ICAL
Lab Job #:	0819-733	Matrix:	Aqueous	Date Received:	16-Aug-19			
Lab Sample ID:	0819-733_10424_001	Weight/Volume:	1.01	Date Extracted:	21-Aug-19			
QC Batch #:	10424	Split Factor:	1	Date Analyzed:	27-Aug-19			
Dilution:	-			Time Analyzed:	16:48:13			

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.29		U	ES 2,3,7,8-TCDD	66.5	
					CS 37Cl-2378-TCDD	76.9	
					AS 1368-TCDD	80.8	

MCWP-MW07D (418338-002)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	MCWP-MW07D (418338-002)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418338	**Sample Collection Date:**	**14-Aug-19**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-733**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-733_10424_002**	**Weight/Volume:**	**1.06**	**Date Extracted:**	**21-Aug-19**
QC Batch #:	**10424**	**Split Factor:**	**1**	**Date Analyzed:**	**27-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**17:36:24**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.23		U	ES 2,3,7,8-TCDD	71.6	
					CS 37Cl-2378-TCDD	77.6	
					AS 1368-TCDD	85.3	

SMBRP-12 (418338-003)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	SMBRP-12 (418338-003)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418338	**Sample Collection Date:**	**14-Aug-19**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-733**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-733_10424_003**	**Weight/Volume:**	**1.01**	**Date Extracted:**	**21-Aug-19**
QC Batch #:	**10424**	**Split Factor:**	**1**	**Date Analyzed:**	**27-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**18:24:35**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.29		U	ES 2,3,7,8-TCDD	70.3	
					CS 37Cl-2378-TCDD	74.8	
					AS 1368-TCDD	83.1	

MCWP-MW09 (418338-004)						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW09 (418338-004)		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	418338		**Sample Collection Date:**	**14-Aug-19**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0819-733**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**		
Lab Sample ID:	**0819-733_10424_004**	**Weight/Volume:**	**1.05**	**Date Extracted:**	**21-Aug-19**		
QC Batch #:	**10424**	**Split Factor:**	**1**	**Date Analyzed:**	**27-Aug-19**		
Dilution:	**-**			**Time Analyzed:**	**19:12:45**		

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.24		U	ES 2,3,7,8-TCDD	66.7	
					CS 37Cl-2378-TCDD	78.9	
					AS 1368-TCDD	88.4	

QC Data

Continuing Calibration — PCDD/Fs

	CS3-A	CS3-B
Concentration (pg/µL)	10	10
Standard ID	SIDAE90	SIDAE90
Acquisition Date	27-Aug-19	27-Aug-19
Acquisition Time	9:35:16	20:49:04

Analyte	RRF	RRF	ICAL RRFs	PD (CS3-A v. ICAL)	PD (CS3-B v. ICAL)	Average RRF	RPD (CS3s)
2,3,7,8-TCDD	1.06	1.13	1.17	-9.4	-3.4	1.10	6.4
ES 2,3,7,8-TCDD	0.97	1.00	1.02	-4.9	-2.0	0.99	3.0
CS 37Cl-2378-TCDD	1.09	1.15	1.24	-12.1	-7.3	1.12	5.4
AS 1368-TCDD	1.11	1.10	1.04	6.7	5.8	1.11	0.9
Analyte	Area	Area					
JS 1234-TCDD	1428941	1429810					

OPR				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_10424_DF	Final Vol. (uL)	20.0	Date Extracted:	21-Aug-19
QC Batch #:	10424	Split Factor:	1	Date Analyzed:	27-Aug-19
Dilution:	-			Time Analyzed:	10:23:04

Analyte	Conc. (pg)	DL (pg)	EMPC (pg)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	9.83				ES 2,3,7,8-TCDD	114	
					CS 37Cl-2378-TCDD	113	
					AS 1368-TCDD	128	

OPR Demonstration Data (TCDD Only)

Batch ID#: 10424

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	9.8	7.3	14.6	Y	ES 2,3,7,8-TCDD	114	25	141	Y
					CS 2,3,7,8-TCDD	11	3.7	15.8	Y

Method Blank				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	LMB_10424_DF	Weight/Volume:	1.00	Date Extracted:	21-Aug-19
QC Batch #:	10424	Split Factor:	1	Date Analyzed:	27-Aug-19
Dilution:	-			Time Analyzed:	12:47:26

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.30		U	ES 2,3,7,8-TCDD	77.9	
					CS 37Cl-2378-TCDD	77.2	
					AS 1368-TCDD	87.0	

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy Analytical - Orange
Job#	0819-733 EPA 1613B
Client Project #	418338

Custody	Robin Appelle of Enthalpy Analytical Wilmington received all samples (via FedEx) 08/16/19 on ice at 4.5°C in good condition. Prior to, during, and after analysis, the samples were stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, LLC.
Analysis	The samples were analyzed by EPA Method 1613B for PCDDs/PCDFs only using Agilent Technologies Model# 6890 High-Resolution GC/ Waters High-Resolution Mass-Spectrometer (HRGC/HRMS "Gandalf"). After sampling by the client, the laboratory spiked the sample with Extraction Standard (ES), then extracted by separatory funnel with Hexane. After solvent exchange, the extract was spiked with Alternate Standard (AS) and CS (Clean Up Standard). Cleanup procedures were performed on the extract. The final sample extract was transferred to an autosampler vial and spiked with 20 µL of Injection Standard (JS), prior to analysis.
Calibration	The analytes and labeled standards in the initial calibration exhibited RSDs less than 20%. The continuing calibration and batch control spike met the 20% criterion for native analytes, and met the 30% criterion for the labeled standards.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. The QC injections passed all method criteria. Labeled and standard recovery values were acceptable. The sample was extracted within the 30-day from collection holding time. The extract was analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	The Toxic equivalency quotient (TEQ) was calculated and reported to the client using the I-TEFs (International toxic equivalency factor) and the WHO-2005 TEF (World Health Organization), calculated using several different methods. The Totals and Detection Limits have been included in the report. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Reporting Notes (continued)	The results presented in this report are representative of the samples as provided to the laboratory. The samples, calibrations and standards for the data presented in this report were analyzed at 2714 Exchange Drive, Wilmington, NC 28405.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc.-Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers / Data Attributes

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- C – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve).
- EMPC – Represents an estimated maximum possible concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
- J – Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
- L - Indicates that an analyte has a concentration below the Minimum Detection Limit (MDL).
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable.
- PR – Due to interference, the associated congener is poorly resolved.
- DI – Indicates the presence of a quantitative interference.
- SI – Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected. The Estimated Detection Limit (EDL) may be reported for this analyte.
- V – The labeled standard recovery was found to be outside of the method control limits.

DRBC/TMDL Specific Data Qualifiers / Data Attributes

- J – The reported result is an estimate. The value is less than the minimum calibration level but greater than the Estimated Detection Limit (EDL).
- U – The analyte was not detected in the sample at the Estimated Detection Limit (EDL).

- E – The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
- D – Dilution Data. Result was obtained from the analysis of a dilution.
- B – Analyte found in the sample and associated method blank.
- Cxx – Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'xx' denotes the IUPAC number with the lowest numerical designated congener.
- NR – Analyte is not reportable because of problems in sample preparation or analysis.
- V – Labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.
- EMPC – Estimated Maximum Possible Concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

Lab Identifiers

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.

Sample Custody

0819-733

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
Standard TAT

2,3,7,8-TCDD only

Relinquished By	**Received By**
Date/Time 8/15/19 1650	Date/Time 8/16/19 1315 4.5°C T9
Date/Time	Date/Time

FedEx, 7760 0071 9387, On Ice, Good condition, No seals 8/16/19

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To:	Project Manager Enthalpy Analytical	**From:**	Tyler D Miller
		AmeriSci Job #:	919081519
Fax #:		**Subject:**	Water (waste) 5 day Results
		Client Project:	418338
Email:	incomingreports@enthalpy.com,Ranjit.Clarke@enthalpy.com		

Date: Wednesday, August 21, 2019
Time: 13:16:23
Comments:

Number of Pages: 3 (including cover sheet)

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Job #: **919081519**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

418338

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	MCWP-MW075 (418338-001)	0.0003	4	NSD	NSD	5.79	<5.79	<5.79	----
02	MCWP-MW07D (418338-002)	0.02	4	NSD	NSD	0.17	<0.17	<0.17	----
03	SMBRP-12 (418338-003)	0.005	4	NSD	NSD	0.35	<0.35	<0.35	----
04	MCWP-MW09 (418338-004)	0.02	4	1	1	0.17	0.17	0.17	amphibole

*fiber criteria (>=0.5 microns, 5:1 aspect ratio); NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter.

NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1), waste water by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Samples are refrigerated upon receipt when necessary and filtered within four hours.

Reviewed By: _____ ; Analyzed By: _____ Date: 8/16/2019

Tyler D Miller

9190815|9

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

AmeriSci - Sub
24416 S Main St. # 308
Carson, CA 90745

ATTN: Glenn Massey
PO# 1038437

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☐ EDD ☐ EDF ☐ EDT

Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	100.1 Asbestos	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	100.1 Asbestos	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	100.1 Asbestos	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	100.1 Asbestos	

4°C

Note:
5 Day TAT

Relinquished By	**Received By:**
Sam R	
Date/Time 8/15/19 1735	Date/Time 8/15/19 ~~17:35~~ 18:35 GL
Date/Time	Date/Time

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual
Ground Water
15-01587

Final report

Lab Request: 418266
Report Date: 12/02/2019
Date Received: 08/13/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
418266-001	LAMW-5S
418266-002	SMBRP-9
418266-003	SMBRP-11
418266-004	MCWP-MW04S
418266-005	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:30 **Site:**
Sample #: 418266-001 **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.010**	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.45 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**11.4**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.346**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**79.4**	1	0.093	0.1	mg/L		08/20/19	KLN	
Copper	**0.032**	1	0.008	0.01	mg/L		08/15/19	KLN	
Iron	**0.452**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**26.6**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.016**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**5.19**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**85.9**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205374
Aluminum	**220**	10	33	100	ug/L		08/15/19	JP	
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	**3.83 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**28.1 J**	10	6.1	50	ug/L		08/15/19	JP	J
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**9.91 J**	10	1.18	10	ug/L		08/15/19	JP	B1,J
Copper	**6.06**	10	1.86	5	ug/L		08/15/19	JP	
Lead	ND	10	0.84	5	ug/L		08/15/19	JP	D2
Nickel	**22.2**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	ND	10	1.72	20	ug/L		08/15/19	JP	D2
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205357
Chloride	**102**	1	0.086	1	mg/L	08/13/19	08/14/19 11:04	CO	
Nitrate + Nitrite, as Nitrogen	**10.9**	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:04	CO	
Nitrate, as Nitrogen	**10.9**	1	0.012	0.1	mg/L	08/13/19	08/14/19 11:04	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:04	CO	
Sulfate	**88.6**	1	0.077	1	mg/L	08/13/19	08/14/19 11:04	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:30 **Site:**
Sample #: 418266-001 **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	1	0.303	2	ug/L		08/14/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/14/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/14/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/14/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/14/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/14/19	LZ	
Bromodichloromethane	**0.31 J**	1	0.27	0.5	ug/L		08/14/19	LZ	J
Bromoform	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/14/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/14/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/14/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/14/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/14/19	LZ	
Chloroform	**17**	1	0.17	0.5	ug/L		08/14/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/14/19	LZ	
Methylene chloride	**2.4**	1	0.5	0.5	ug/L		08/14/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/14/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/14/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/14/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/14/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-145*	
4-Bromofluorobenzene (SUR)	*109*	*70-145*	
Dibromofluoromethane (SUR)	*101*	*70-145*	
Toluene-d8 (SUR)	*108*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:30 **Site:**
Sample #: 418266-001 **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 531.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/14/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/14/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-135*	
4-Bromofluorobenzene (SUR)	*109*	*70-135*	
Dibromofluoromethane (SUR)	*101*	*70-135*	
Toluene-d8 (SUR)	*108*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**11**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**260**	1	5	5	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	1	5	5	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	1	5	5	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**210**	1	0.38	5	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.34**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**582**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	**9.4**	1.11	0.555	0.555	mg/L	08/14/19	08/14/19	NP	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:30 **Site:**
Sample #: 418266-001 **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	**0.0030 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**0.341**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**6.99**	1			pH Units	08/14/19 00:00	08/14/19 10:58		T2
Temp. at Time of pH Measurement	**12.4**	1			°C	08/14/19 00:00	08/14/19 10:58		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	**0.081 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.527**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**2.26**	5	0.05	0.1	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**6.93**	5	0.15	0.3	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**7.72**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	**0.33**	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**1.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 08:30 **Site:**
Sample #: 418266-002 **Client Sample #:** SMBRP-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022 Prep Method: None							QCBatchID:		
Chromium Trivalent	**0.028**	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.34 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**9.55**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1694M Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1205434
Boron	**0.671**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**66.8**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**23.5**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**173**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.468**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**5.96**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**386**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1205374
Aluminum	**11300**	10	33	100	ug/L		08/15/19	JP	
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	**8.47 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**106**	10	6.1	50	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**30.9**	10	1.18	10	ug/L		08/15/19	JP	
Copper	**17.5**	10	1.86	5	ug/L		08/15/19	JP	
Lead	**8.16**	10	0.84	5	ug/L		08/15/19	JP	
Nickel	**21.3**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	**3.80 J**	10	1.72	20	ug/L		08/15/19	JP	J
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	**18.1**	10	6.98	10	ug/L		08/15/19	JP	
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Chloride	**190**	20	1.72	20	mg/L	08/13/19	08/23/19 01:20	CO	
Nitrate + Nitrite, as Nitrogen	**9.19**	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:24	CO	
Nitrate, as Nitrogen	**9.19**	1	0.012	0.1	mg/L	08/13/19	08/14/19 11:24	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:24	CO	
Sulfate	**315**	20	1.54	20	mg/L	08/13/19	08/23/19 01:20	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 08:30 **Site:**
Sample #: **418266-002** **Client Sample #:** SMBRP-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	2	0.606	4	ug/L		08/14/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/14/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/14/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/14/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/14/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/14/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/14/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/14/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/14/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/14/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/14/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/14/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/14/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/14/19	LZ	
Methylene chloride	**2.7**	1	0.5	0.5	ug/L		08/14/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/14/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/14/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/14/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/14/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*107*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 08:30 **Site:**
Sample #: 418266-002 **Client Sample #:** SMBRP-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/14/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/14/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-135*	
4-Bromofluorobenzene (SUR)	*107*	*70-135*	
Dibromofluoromethane (SUR)	*105*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**300**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**1100**	10	50	50	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	10	50	50	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	10	50	50	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**860**	10	3.8	50	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**0.22**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**1540**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	**704**	10	5	5	mg/L	08/14/19	08/14/19	NP	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 08:30	**Site:**			
Sample #:	**418266-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**1.22**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**7.16**	1			pH Units	08/14/19 00:00	08/14/19 11:00		T2
Temp. at Time of pH Measurement	**12.5**	1			°C	08/14/19 00:00	08/14/19 11:00		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	**0.016 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.359 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**0.087**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.267**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**6.03**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	ND	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**<1**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**13**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:00 **Site:**
Sample #: 418266-003 **Client Sample #:** SMBRP-11 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022 Prep Method: None							QCBatchID:		
Chromium Trivalent	**0.011**	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.29 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**4.38**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1694M Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1205434
Boron	**0.802**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**141**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**8.31**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**61.2**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**1.36**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**5.89**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**208**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1205374
Aluminum	**4150**	10	33	100	ug/L		08/15/19	JP	
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	**2.64 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**87.2**	10	6.1	50	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**11.4**	10	1.18	10	ug/L		08/15/19	JP	
Copper	**9.60**	10	1.86	5	ug/L		08/15/19	JP	
Lead	**2.44 J**	10	0.84	5	ug/L		08/15/19	JP	J
Nickel	**24.5**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	**4.70 J**	10	1.72	20	ug/L		08/15/19	JP	J
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Chloride	**232**	20	1.72	20	mg/L	08/13/19	08/23/19 01:46	CO	
Nitrate + Nitrite, as Nitrogen	**2.88**	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:44	CO	
Nitrate, as Nitrogen	**2.88**	1	0.012	0.1	mg/L	08/13/19	08/14/19 11:44	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:44	CO	
Sulfate	**243**	20	1.54	20	mg/L	08/13/19	08/23/19 01:46	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:00 **Site:**
Sample #: **418266-003** **Client Sample #:** SMBRP-11 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	1	0.303	2	ug/L		08/14/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	**0.46 J**	1	0.17	0.5	ug/L		08/15/19	LZ	J
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	ND	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*107*	*70-145*	
Dibromofluoromethane (SUR)	*106*	*70-145*	
Toluene-d8 (SUR)	*106*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/13/2019 13:00	**Site:**				
Sample #: 418266-003	**Client Sample #:** SMBRP-11		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
Glyphosate	**See Attached**	1		25	ug/L				
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
Endothall	**See Attached**	1		45	ug/L				
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-135*	
4-Bromofluorobenzene (SUR)	*107*	*70-135*	
Dibromofluoromethane (SUR)	*106*	*70-135*	
Toluene-d8 (SUR)	*106*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**240**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**390**	5	25	25	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	5	25	25	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	5	25	25	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**320**	5	1.9	25	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.02**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**1140**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 13:00	**Site:**			
Sample #:	**418266-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Total Suspended Solids	**286**	10	5	5	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1205463
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID:		QC1205643
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C Prep Method: Method							QCBatchID:		QC1205378
Fluoride	**0.522**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205372
pH	**6.97**	1			pH Units	08/14/19 00:00	08/14/19 11:03		T2
Temp. at Time of pH Measurement	**12.6**	1			°C	08/14/19 00:00	08/14/19 11:03		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	**1.21**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205550
Total Kjeldahl Nitrogen	**1.5**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205707
Total Phosphorous as P	**0.295**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.904**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1205571
Total Organic Carbon (TOC)	**14.5**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1205484
MBAS	**0.033 J**	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	J
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**2.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**86**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:45 **Site:**
Sample #: 418266-004 **Client Sample #:** MCWP-MW04S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022 Prep Method: None							QCBatchID:		
Chromium Trivalent	**0.004 J**	1	0.002	0.01	mg/L		10/31/19	SLL	J
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.87**	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.66**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1694M Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1205434
Boron	**1.61**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**488**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**0.149**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**260**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.202**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**1.61**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**804**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1205374
Aluminum	**67.0 J**	10	33	100	ug/L		08/15/19	JP	J
Antimony	**3.73 J**	10	2.28	5	ug/L		08/15/19	JP	B1,J
Arsenic	**12.9 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**15.7 J**	10	6.1	50	ug/L		08/15/19	JP	J
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**4.41 J**	10	1.18	10	ug/L		08/15/19	JP	B1,J
Copper	**17.8**	10	1.86	5	ug/L		08/15/19	JP	
Lead	ND	10	0.84	5	ug/L		08/15/19	JP	D2
Nickel	**27.3**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	**143**	10	1.72	20	ug/L		08/15/19	JP	
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Chloride	**578**	20	1.72	20	mg/L	08/13/19	08/23/19 02:12	CO	
Nitrate + Nitrite, as Nitrogen	**1.74**	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:04	CO	
Nitrate, as Nitrogen	**1.74**	1	0.012	0.1	mg/L	08/13/19	08/14/19 12:04	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:04	CO	
Sulfate	**2510**	50	3.85	50	mg/L	08/13/19	08/23/19 12:41	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:45 **Site:**
Sample #: **418266-004** **Client Sample #:** MCWP-MW04S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	5	1.515	10	ug/L		08/14/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**2.1**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*108*	*70-145*	
Dibromofluoromethane (SUR)	*104*	*70-145*	
Toluene-d8 (SUR)	*106*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:45 **Site:**
Sample #: 418266-004 **Client Sample #:** MCWP-MW04S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	
Surrogate	*% Recovery*		*Limits*		*Notes*				
1,2-Dichloroethane-d4 (SUR)	*94*		*70-135*						
4-Bromofluorobenzene (SUR)	*108*		*70-135*						
Dibromofluoromethane (SUR)	*104*		*70-135*						
Toluene-d8 (SUR)	*106*		*70-135*						
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**3.1**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**750**	5	25	25	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	5	25	25	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	5	25	25	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**610**	5	1.9	25	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**1.27**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**5710**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	**11.6**	1.11	0.555	0.555	mg/L	08/14/19	08/14/19	NP	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 11:45	**Site:**			
Sample #:	**418266-004**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	**0.0090 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**0.711**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**7.66**	1			pH Units	08/14/19 00:00	08/14/19 11:05		T2
Temp. at Time of pH Measurement	**13.0**	1			°C	08/14/19 00:00	08/14/19 11:05		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	**0.054 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.923**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**0.335**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**1.027**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**24.4**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	**0.27**	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**<1**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**13**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: 418266-005 **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.004 J**	1	0.002	0.01	mg/L		10/31/19	SLL	J
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.13 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.72**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.878**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**190**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**0.032**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**107**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.009 J**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**2.79**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**201**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205374
Aluminum	ND	10	33	100	ug/L		08/15/19	JP	D2
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	ND	10	1.88	20	ug/L		08/15/19	JP	D2
Barium	**35.2 J**	10	6.1	50	ug/L		08/15/19	JP	J
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**4.00 J**	10	1.18	10	ug/L		08/15/19	JP	B1,J
Copper	**2.53 J**	10	1.86	5	ug/L		08/15/19	JP	B1,J
Lead	ND	10	0.84	5	ug/L		08/15/19	JP	D2
Nickel	**9.26 J**	10	5.49	10	ug/L		08/15/19	JP	J
Selenium	**2.49 J**	10	1.72	20	ug/L		08/15/19	JP	J
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205357
Chloride	**228**	20	1.72	20	mg/L	08/13/19	08/23/19 02:38	CO	
Nitrate + Nitrite, as Nitrogen	**1.59**	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:33	CO	
Nitrate, as Nitrogen	**1.59**	1	0.012	0.1	mg/L	08/13/19	08/14/19 12:33	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:33	CO	
Sulfate	**530**	20	1.54	20	mg/L	08/13/19	08/23/19 02:38	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: **418266-005** **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	2	0.606	4	ug/L		08/14/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**2.2**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromofluoromethane (SUR)	*107*	*70-145*	
Toluene-d8 (SUR)	*104*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: 418266-005 **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-135*	
4-Bromofluorobenzene (SUR)	*105*	*70-135*	
Dibromofluoromethane (SUR)	*107*	*70-135*	
Toluene-d8 (SUR)	*104*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**0.48**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**390**	5	25	25	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	5	25	25	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	5	25	25	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**320**	5	1.9	25	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**0.28**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**1540**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	ND	1.11	0.555	0.555	mg/L	08/14/19	08/14/19	NP	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: 418266-005 **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	**0.0030 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**0.615**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**7.19**	1			pH Units	08/14/19 00:00	08/14/19 11:07		T2
Temp. at Time of pH Measurement	**13.9**	1			°C	08/14/19 00:00	08/14/19 11:07		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.134 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**0.070**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.215**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**6.52**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	ND	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**<2**	2			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**2.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

QCBatchID: QC1205317 **Analyst:** sbailey-woo **Method:** EPA 314.0

Matrix: Water **Analyzed:** 08/13/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205317MB1					
Perchlorate	ND	ug/L	0.303	4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205317LCS1											
Perchlorate	50		53		ug/L	106			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205317MS1, QC1205317MSD1												**Source: 418195-001**
Perchlorate	ND	50	50	48	49	ug/L	96	98	2.1	80-120	20	

QCBatchID:	**QC1205348**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205348DUP1						**Source: 418228-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1205349**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205349DUP1						**Source: 418228-001**
Turbidity	0.38	0.38	NTU	0.0	20	

QCBatchID:	**QC1205350**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205350DUP1						**Source: 418266-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1205357 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/13/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205357MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	ND	mg/L	0.086	1	
Fluoride	ND	mg/L	0.093	0.2	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205357LCS1											
Bromide	15		14.7		mg/L	98			90-110		
Chloride	100		102		mg/L	102			90-110		
Fluoride	20		21.2		mg/L	106			90-110		
Nitrate, as Nitrogen	9.03		8.86		mg/L	98			90-110		
Nitrite, as Nitrogen	9.15		9.65		mg/L	105			90-110		
Sulfate	50		46.0		mg/L	92			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205357MS1, QC1205357MSD1												**Source: 418202-001**
Bromide	0.293	15	15	14.9	15.6	mg/L	97	102	4.6	80-120	20	
Chloride	86.8	100	100	183	196	mg/L	96	109	6.9	80-120	20	
Fluoride	0.514	20	20	21.8	24.5	mg/L	106	120	11.7	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	8.87	9.33	mg/L	98	103	5.1	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.24	9.90	mg/L	101	108	6.9	80-120	20	
Sulfate	13.1	50	50	61.6	62.2	mg/L	97	98	1.0	80-120	20	
QC1205357MS2, QC1205357MSD2												**Source: 418205-001**
Bromide	0.305	15	15	15.0	15.4	mg/L	98	101	2.6	80-120	20	
Chloride	83.9	100	100	181	187	mg/L	97	103	3.3	80-120	20	
Fluoride	0.626	20	20	21.9	22.1	mg/L	106	107	0.9	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.00	9.17	mg/L	100	102	1.9	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.32	9.57	mg/L	102	105	2.6	80-120	20	
Sulfate	13.0	50	50	61.9	60.5	mg/L	98	95	2.3	80-120	20	

QCBatchID:	QC1205372	**Analyst:**	cmorales	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205372DUP1						**Source: 418266-001**
pH	6.99	7.00	pH Units	0.1	20	
Temp. at Time of pH Measurement	12.4	12.4	°C	0.0	20	
QC1205372DUP2						**Source: 418311-001**
pH	7.10	7.11	pH Units	0.1	20	
Temp. at Time of pH Measurement	21.8	21.8	°C	0.0	20	

QCBatchID: QC1205374 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result		Units	MDL	RDL	Notes
QC1205374MB1						
Aluminum	ND		ug/L	3.3	10	
Antimony	**0.246**	**J**	ug/L	0.228	0.5	
Arsenic	**0.237**	**J**	ug/L	0.188	2	
Barium	ND		ug/L	0.61	5	
Beryllium	ND		ug/L	0.168	0.5	
Boron	ND		ug/L	0.95	5	
Cadmium	ND		ug/L	0.157	0.2	
Chromium	**0.771**	**J**	ug/L	0.118	1	
Copper	**0.466**	**J**	ug/L	0.186	0.5	
Iron	**17.4**	**J**	ug/L	8.2	25	
Lead	ND		ug/L	0.084	0.5	
Manganese	ND		ug/L	0.16	10	
Nickel	ND		ug/L	0.549	1	
Selenium	ND		ug/L	0.172	2	
Silver	ND		ug/L	0.0083	0.2	
Thallium	ND		ug/L	0.141	1	
Zinc	ND		ug/L	0.698	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205374LCS1											
Aluminum	50		46.2		ug/L	92			85-115		
Antimony	50		53.5		ug/L	107			85-115		
Arsenic	50		48.7		ug/L	97			85-115		
Barium	50		50.5		ug/L	101			85-115		
Beryllium	50		43.5		ug/L	87			85-115		
Boron	50		51.4		ug/L	103			85-115		
Cadmium	50		50.2		ug/L	100			85-115		
Chromium	50		49.3		ug/L	99			85-115		
Copper	50		49.0		ug/L	98			85-115		
Iron	50		51.5		ug/L	103			85-115		
Lead	50		52.9		ug/L	106			85-115		
Manganese	50		50.5		ug/L	101			85-115		
Nickel	50		52.8		ug/L	106			85-115		
Selenium	50		48.8		ug/L	98			85-115		
Silver	50		48.5		ug/L	97			85-115		
Thallium	50		51.4		ug/L	103			85-115		
Zinc	50		50.6		ug/L	101			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205374MS1												**Source: 418228-001**
Aluminum	ND	50		47.6		ug/L	95			85-115		
Antimony	0.462	50		55.4		ug/L	110			85-115		
Arsenic	ND	50		48.6		ug/L	97			85-115		
Barium	ND	50		51.7		ug/L	103			85-115		
Beryllium	ND	50		41.8		ug/L	84			85-115		M
Boron	61.6	50		108		ug/L	93			85-115		
Cadmium	ND	50		49.4		ug/L	99			85-115		
Chromium	1.12	50		49.5		ug/L	97			85-115		

QCBatchID: QC1205374 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205374MS1												**Source: 418228-001**
Copper	ND	50		48.3		ug/L	97			85-115		
Iron	ND	50		50.3		ug/L	101			85-115		
Lead	ND	50		50.2		ug/L	100			85-115		
Manganese	ND	50		50.0		ug/L	100			85-115		
Nickel	ND	50		49.6		ug/L	99			85-115		
Selenium	ND	50		44.9		ug/L	90			85-115		
Silver	ND	50		47.3		ug/L	95			85-115		
Thallium	ND	50		49.9		ug/L	100			85-115		
Zinc	ND	50		50.2		ug/L	100			85-115		

QCBatchID: QC1205378 **Analyst:** npham **Method:** SM 4500-F-C

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205378MB1					
Fluoride	ND	mg/L	0.003	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205378LCS1											
Fluoride	0.92		0.981		mg/L	107			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205378MS1, QC1205378MSD1												**Source: 418228-001**
Fluoride	0.008	1	1	1.00	1.03	mg/L	99	102	3.0	75-125	20	

QCBatchID: QC1205384 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205384MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205384LCS1											
Ammonia, as Nitrogen	2.5		2.38		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205384MS1, QC1205384MSD1												**Source: 418270-001**
Ammonia, as Nitrogen	0.098	2.5	2.5	2.50	2.50	mg/L	96	96	0.0	80-120	20	

QCBatchID: QC1205401 **Analyst:** lucy **Method:** EPA 624

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205401MB1					
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,2-Dibromoethane	ND	ug/L	0.043	0.5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	1	
Acrolein	ND	ug/L	3.3	5	
Acrylonitrile	ND	ug/L	1.6	2	
Benzene	ND	ug/L	0.071	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Toluene	ND	ug/L	0.078	0.5	
Trichloroethene	ND	ug/L	0.078	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401LCS1											
1,1-Dichloroethene	50		50		ug/L	100			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		53		ug/L	106			60-133		
Toluene	50		54		ug/L	108			59-139		
Trichloroethene	50		53		ug/L	106			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401MS1, QC1205401MSD1												**Source: 418235-001**
1,1-Dichloroethene	ND	50	50	56	54	ug/L	112	108	3.6	59-172	22	
Benzene	ND	50	50	53	51	ug/L	106	102	3.8	62-137	24	
Chlorobenzene	ND	50	50	55	54	ug/L	110	108	1.8	60-133	21	
Toluene	ND	50	50	56	56	ug/L	112	112	0.0	59-139	21	
Trichloroethene	ND	50	50	58	57	ug/L	116	114	1.7	66-142	21	

QCBatchID: QC1205402	**Analyst:** lucy	**Method:** EPA 524.2	
Matrix: Water	**Analyzed:** 08/14/2019	**Instrument:** VOA-MS (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.37	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.22	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.25	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.2	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.45	0.5	
1,1-Dichloroethane	ND	ug/L	0.24	0.5	
1,1-Dichloroethene	ND	ug/L	0.31	0.5	
1,1-Dichloropropene	ND	ug/L	0.38	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.35	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.52	0.5	
1,2-Dibromoethane	ND	ug/L	0.33	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.37	0.5	
1,2-Dichloroethane	ND	ug/L	0.2	0.5	
1,2-Dichloropropane	ND	ug/L	0.35	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.45	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.44	0.5	
1,3-Dichloropropane	ND	ug/L	0.17	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.34	0.5	
2,2-Dichloropropane	ND	ug/L	0.39	0.5	
2-Chlorotoluene	ND	ug/L	0.36	0.5	
4-Chlorotoluene	ND	ug/L	0.34	0.5	
4-Isopropyltoluene	ND	ug/L	0.41	0.5	
Benzene	ND	ug/L	0.27	0.5	
Bromobenzene	ND	ug/L	0.26	0.5	
Bromochloromethane	ND	ug/L	0.26	0.5	
Bromodichloromethane	ND	ug/L	0.27	0.5	
Bromoform	ND	ug/L	0.34	0.5	
Bromomethane	ND	ug/L	0.42	0.5	
Carbon Tetrachloride	ND	ug/L	0.26	0.5	
Chlorobenzene	ND	ug/L	0.19	0.5	
Chlorodibromomethane	ND	ug/L	0.36	0.5	
Chloroethane	ND	ug/L	0.47	0.5	
Chloroform	ND	ug/L	0.17	0.5	
Chloromethane	ND	ug/L	0.45	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.22	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.34	0.5	
Dibromomethane	ND	ug/L	0.3	0.5	
Dichlorodifluoromethane	ND	ug/L	0.45	0.5	
Ethylbenzene	ND	ug/L	0.2	0.5	
Hexachlorobutadiene	ND	ug/L	0.22	0.5	
Isopropylbenzene	ND	ug/L	0.42	0.5	
m and p-Xylene	ND	ug/L	0.51	0.5	
Methylene chloride	**3.6**	ug/L	0.5	0.5	B
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.1	0.5	
Naphthalene	ND	ug/L	0.1	0.5	
N-butylbenzene	ND	ug/L	0.49	0.5	
N-propylbenzene	ND	ug/L	0.35	0.5	
o-Xylene	ND	ug/L	0.32	0.5	
Sec-butylbenzene	ND	ug/L	0.39	0.5	
Styrene	ND	ug/L	0.29	0.5	

QCBatchID: QC1205402 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
Tert-butylbenzene	ND	ug/L	0.39	0.5	
Tetrachloroethene	ND	ug/L	0.4	0.5	
Toluene	ND	ug/L	0.3	0.5	
Total Trihalomethanes (THM's)	ND	ug/L	0.31	1	
trans-1,2-dichloroethene	ND	ug/L	0.21	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.24	0.5	
Trichloroethene	ND	ug/L	0.44	0.5	
Trichlorofluoromethane	ND	ug/L	0.3	0.5	
Vinyl Chloride	ND	ug/L	0.3	0.5	
Xylenes (Total)	ND	ug/L	0.51	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402LCS1											
1,1-Dichloroethene	50		49		ug/L	98			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		51		ug/L	102			60-133		
Methyl-t-butyl Ether (MTBE)	50		46		ug/L	92			62-137		
Toluene	50		52		ug/L	104			59-139		
Trichloroethene	50		52		ug/L	104			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402MS1												**Source: 418264-003**
1,1-Dichloroethene	ND	50		55		ug/L	110			59-172		
Benzene	ND	50		52		ug/L	104			62-137		
Chlorobenzene	ND	50		55		ug/L	110			60-133		
Methyl-t-butyl Ether (MTBE)	ND	50		49		ug/L	98			62-137		
Toluene	ND	50		57		ug/L	114			59-139		
Trichloroethene	ND	50		58		ug/L	116			66-142		

QCBatchID: QC1205434 **Analyst:** sbailey-woo **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205434MB1					
Boron	ND	mg/L	0.03	0.05	
Calcium	ND	mg/L	0.093	0.1	
Copper	ND	mg/L	0.008	0.01	
Iron	ND	mg/L	0.019	0.02	
Magnesium	ND	mg/L	0.046	0.1	
Manganese	ND	mg/L	0.006	0.01	
Potassium	ND	mg/L	0.167	0.5	
Sodium	ND	mg/L	0.119	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434LCS1											
Boron	2		2.04		mg/L	102			85-115		
Calcium	20		22.7		mg/L	114			85-115		
Copper	2		2.21		mg/L	111			85-115		
Iron	2		2.22		mg/L	111			85-115		
Magnesium	20		22.5		mg/L	113			85-115		
Manganese	2		2.08		mg/L	104			85-115		
Potassium	38		39.0		mg/L	103			85-115		
Sodium	20		21.4		mg/L	107			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434MS1												**Source: 418266-001**
Boron	0.346	1		1.37		mg/L	102			75-125		
Calcium	79.4	20		112		mg/L	163			75-125		M
Copper	0.032	1		1.07		mg/L	104			75-125		
Iron	0.452	1		1.56		mg/L	111			75-125		
Magnesium	26.6	20		52.2		mg/L	128			75-125		M
Manganese	0.016	1		1.03		mg/L	101			75-125		
Potassium	5.19	29		37.1		mg/L	110			75-125		
Sodium	85.9	20		116		mg/L	151			75-125		M

QCBatchID:	**QC1205442**	**Analyst:**	wei	**Method:**	SM 2540-C
Matrix:	Water	**Analyzed:**	08/16/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205442MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205442LCS1											
Total Dissolved Solids	95		96.0		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205442DUP1						**Source: 418246-001**
Total Dissolved Solids	19000	19400	mg/L	2.1	5	

QCBatchID: QC1205462 **Analyst:** cmorales **Method:** EPA 245.1

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP-HG1

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205462MB1					
Mercury	ND	ug/L	0.094	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205462LCS1											
Mercury	5		5.41		ug/L	108			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205462MS1, QC1205462MSD1												**Source: 418307-001**
Mercury	ND	5	5	5.21	5.14	ug/L	104	103	1.4	75-125	20	

QCBatchID: QC1205463 **Analyst:** wei **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205463MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205463LCS1											
Chlorine, Total Residual	1		0.98		mg/L	98			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205463DUP1						**Source: 418236-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1205470**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205470MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205470DUP1						**Source: 418189-003**
Total Suspended Solids	184	190	mg/L	3.2	5	

QCBatchID: QC1205484 **Analyst:** trinh **Method:** SM 5540-C

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205484MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205484LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205484MS1, QC1205484MSD1												**Source: 418195-001**
MBAS	0.012	1	1	1.1	1.1	mg/L	109	109	0.0	75-125	20	

QCBatchID: QC1205550 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/17/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205550MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.03	0.133	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205550LCS1											
Total Kjeldahl Nitrogen	2.5		2.45		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205550MS1, QC1205550MSD1												**Source: 418228-001**
Total Kjeldahl Nitrogen	0.284	12.5	12.5	12.6	13.1	mg/L	99	103	3.9	80-120	20	

QCBatchID: QC1205552 **Analyst:** wei **Method:** SM 2320-B

Matrix: Water **Analyzed:** 08/17/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205552MB1					
Bicarbonate (HCO3)	ND	mg/L	5	5	
Carbonate (CO3)	ND	mg/L	5	5	
Hydroxide (OH)	ND	mg/L	5	5	
Total Alkalinity (as CaCO3)	ND	mg/L	0.38	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205552LCS1											
Total Alkalinity (as CaCO3)	100		94		mg/L	94			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205552DUP1						**Source: 418266-002**
Bicarbonate (HCO3)	1100	1100	mg/L	0.0	20	
Carbonate (CO3)	ND	ND	mg/L	0.0	20	
Hydroxide (OH)	ND	ND	mg/L	0.0	20	
Total Alkalinity (as CaCO3)	860	880	mg/L	2.3	20	

QCBatchID: QC1205571 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205571MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205571LCS1											
Total Organic Carbon (TOC)	10		9.86		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205571MS1, QC1205571MSD1												**Source: 418344-002**
Total Organic Carbon (TOC)	19.4	20	20	41.0	40.7	mg/L	108	107	0.7	80-120	20	

QCBatchID: QC1205643 **Analyst:** trinh **Method:** SM 4500-CN-E

Matrix: Water **Analyzed:** 08/19/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205643MB1					
Cyanide	ND	mg/L	0.0022	0.01	
Cyanide, Amenable to Chlorination	ND	mg/L	0.0022	0.01	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643LCS1											
Cyanide	0.2		0.19		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643MS1, QC1205643MSD1												**Source: 418338-002**
Cyanide	0.0030	0.2	0.2	0.21	0.21	mg/L	104	104	0.0	80-120	20	

QCBatchID: QC1205707 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 08/20/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205707MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.3		1.28		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707MS1, QC1205707MSD1												**Source: 418276-001**
Total Phosphorous as P	0.251	0.4	0.4	0.837	0.835	mg/L	147	146	0.2	75-125	20	M
Total Phosphorous as PO4	0.770	1.3	1.3	2.57	2.56	mg/L	139	138	0.4	75-125	20	M

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.
931 W. Barkley Ave., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 538-1209
Billing: Enthalpy - SoCal
c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614

Chain of Custody Record

Lab No: 4190266

Page: 1 of 3

Turn Around Time (Rush by advanced notice only)

Standard:	X	4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:	kbrtalik@rinconconsulants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
NN LAMW-5S LAmw-5S	8/ /19	1330	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-9 NN SmBRP-9	8/ /19	0830	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-11 NN SmBRP-11	8/ /19	1300	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-12	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW04S NN MCWP-MW04S	8/ /19	1145	W			X	X	X	X	X	X	X	X	X	X	
MCWP-MW04D NN MCWP-MW04D	8/ /19	1115	W			X	X	X	X	X	X	X	X	X	X	
MCWP-MW07S	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW07D	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW09	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, Inc.	8.13.19 / 1550
[1] Received By:	Ben S.	E.A.		8.13.19 1550
[2] Relinquished By:	Ben Salgado	Enthalpy Analytical	8.13.19 1903	
[2] Received By:	Christie Cabo	EA	8/13/19 1903	
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.
931 W. Barkley Ave., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 538-1209
Billing: Enthalpy - SoCal
c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614

ENTHALPY analytical, inc.

Chain of Custody Record

Lab No: 418266

Page: 2 of 3

Turn Around Time (Rush by advanced notice only)

Standard:	X	4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
LAMW-5S	8/13/19	1330	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
SMBRP-9	8/13/19	830	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
SMBRP-11	8/13/19	1300	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
~~SMBRP-12~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW04S	8/13/19	1145	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
MCWP-MW04D	8/13/19	1115	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
~~MCWP-MW07D~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
~~MCWP-MW09~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Nico Navarro	Rincon Consultants, Inc.	8/13/19 1530
[1] Received By:		Ben Salgado	E. A.	8.13.19 - ~~1530~~
[2] Relinquished By:		Ben Salgado	Enthalpy Analytical	8.13.1902
[2] Received By:		Christine Castro	EA	8/13/19 1903
[3] Relinquished By:				
[3] Received By:				

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 419266	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3 of 3	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 608 Pest/PCBs	Test Instructions / Comments
LAMW-5S	8/13/19	1330	W			X	X	
SMBRP-9	8/13/19	0830	W			X	X	
SMBRP-11	8/13/19	1300	W			X	X	
~~SMBRP-12~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN
MCWP-MW04S	8/13/19	1145	W			X	X	
MCWP-MW04D	8/13/19	1115	W			X	X	
~~MCWP-MW07S~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN
~~MCWP-MW07D~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN
~~MCWP-MW09~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, Inc.	8.13.19 / 1550
[1] Received By:		Ben S.	E.A.	8-13-19 1550
[2] Relinquished By:		Ben Salcedo	Enthalpy Analytical	8-13-19 1903
[2] Received By:		Christine Castro	EA	8/13/19 1903
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: _____

Date Received: 8/13/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 13 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: 3.6 #3: 12.7 #4: 6.0

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.0 #2: 2.9 #3: 7.6 #4: 1.9

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

(sample temp/cooler temp) 2.5/1.4, 8.6/6.7, 4.2/3.7, 3.8/2.4, 7.9/1.9, 2.6/1.3, 0.8/0.9, 7.3/0.9,1.3/1.3 sample #3 (SMBRP-11), ~~had headspace~~ 5 vials was not filled

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): RC 8/13/19

Project Manager's response:

Completed By: _____ Date: 8/13/19

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 9H15070

Project: 418266

Attn: Albert Vargas

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 11/27/2019
Received Date: 8/15/2019
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1038423
Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-CA #04229CA • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Albert Vargas,

Enclosed are the results of analyses for samples received 8/15/19 with the Chain-of-Custody document. The samples were received in good condition, at 4.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina Giancola
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
LAMW-5S (418266-001)	Client	9H15070-01	Water	08/13/19 13:30	
LAMW-5S (418266-001) (Field Blank)	Client	9H15070-02	Water	08/13/19 13:30	
SMBRP-9 (418266-002)	Client	9H15070-03	Water	08/13/19 08:30	
SMBRP-9 (418266-002) (Field Blank)	Client	9H15070-04	Water	08/13/19 08:30	
SMBRP-11 (418266-003)	Client	9H15070-05	Water	08/13/19 13:00	
SMBRP-11 (418266-003) (Field Blank)	Client	9H15070-06	Water	08/13/19 08:30	
MCWP-MW04S (418266-004)	Client	9H15070-07	Water	08/13/19 11:45	
MCWP-MW04S (418266-004) (Field Blank)	Client	9H15070-08	Water	08/13/19 11:45	
MCWP-MW04D (418266-005)	Client	9H15070-09	Water	08/13/19 11:15	
MCWP-MW04D (418266-005) (Field Blank)	Client	9H15070-10	Water	08/13/19 11:15	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/23/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/23/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/23/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/23/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/23/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/23/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/23/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/23/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/23/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/23/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/23/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/23/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/23/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/23/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/23/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/23/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/23/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/23/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/23/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/23/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/23/19	
Benzidine	ND	3.7	10	ug/l	1	08/23/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/23/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/23/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/23/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/23/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/23/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/23/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/23/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/23/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/23/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/23/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/23/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/23/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/23/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/23/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/23/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/23/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/23/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/23/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/23/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/23/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/23/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/23/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/23/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/23/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/23/19	
Phenol	ND	0.16	1.0	ug/l	1	08/23/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/23/19	
Surrogate(s)							
2,4,6-Tribromophenol	*68%*	*Conc: 33.9*	*37-120*			*08/23/19*	
2-Fluorobiphenyl	*76%*	*Conc: 18.9*	*43-120*			*08/23/19*	
2-Fluorophenol	*49%*	*Conc: 24.7*	*31-100*			*08/23/19*	
Nitrobenzene-d5	*76%*	*Conc: 19.0*	*45-120*			*08/23/19*	
Phenol-d5	*30%*	*Conc: 15.2*	*15-100*			*08/23/19*	
Terphenyl-d14	*93%*	*Conc: 23.3*	*61-130*			*08/23/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*104%*	*Conc: 519*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*89%*	*Conc: 8.87*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*97%*	*Conc: 9.68*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/29/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/29/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/29/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/29/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/29/19	
Aroclor 1016	ND	0.11	0.50	ug/l	5	08/30/19	M-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.42	0.50	ug/l	5	08/30/19	M-04
Aroclor 1232	ND	0.32	0.50	ug/l	5	08/30/19	M-04
Aroclor 1242	ND	0.35	0.50	ug/l	5	08/30/19	M-04
Aroclor 1248	ND	0.24	0.50	ug/l	5	08/30/19	M-04
Aroclor 1254	ND	0.34	0.50	ug/l	5	08/30/19	M-04
Aroclor 1260	ND	0.10	0.50	ug/l	5	08/30/19	M-04
beta-BHC	ND	0.0015	0.010	ug/l	1	08/29/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/29/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/29/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/29/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/29/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/29/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/29/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/29/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/29/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/29/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/29/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/29/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/29/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/29/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/29/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/29/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/29/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/29/19	
Toxaphene	ND	0.33	2.5	ug/l	5	08/30/19	M-04
Trifluralin	ND	0.0030	0.010	ug/l	1	08/29/19	
Surrogate(s)							
Decachlorobiphenyl	*80% Conc: 0.0804*		*70-130*			*08/29/19*	
Tetrachloro-meta-xylene	*81% Conc: 0.0814*		*70-130*			*08/29/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03			**Prepared:** 08/20/19 14:45			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/20/19 23:46	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/20/19 23:46	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*103%*	*Conc: 10.3*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.39**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	**2.7**	0.50	2.0	ng/l	1	08/28/19	
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**9.1**	0.31	1.0	ng/l	1	10/01/19	
DEET	**2.9**	0.060	1.0	ng/l	1	10/01/19	
Sucralose	**1100**	5.0	5.0	ng/l	1	10/01/19	E-01
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*87%*	*Conc: 4.36*	*70-130*			*09/07/19*	
Perylene-d12	*47%*	*Conc: 2.34*	*50-120*			*09/07/19*	*S-GC*
Triphenyl phosphate	*112%*	*Conc: 5.59*	*70-130*			*09/07/19*	

Sample: LAMW-5S (418266-001) (Field Blank)
9H15070-02 (Water)

Sampled: 08/13/19 13:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03 **Prepared:** 08/20/19 14:45 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 00:15	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 00:15	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	5.5	10	ug/l	1	08/23/19	M-02
1,2-Dichlorobenzene	ND	5.7	10	ug/l	1	08/23/19	M-02
1,2-Diphenylhydrazine/Azobenzene	ND	2.5	10	ug/l	1	08/23/19	M-02
1,3-Dichlorobenzene	ND	5.3	10	ug/l	1	08/23/19	M-02
1,4-Dichlorobenzene	ND	5.5	10	ug/l	1	08/23/19	M-02
2,4,6-Trichlorophenol	ND	2.2	10	ug/l	1	08/23/19	M-02
2,4-Dichlorophenol	ND	2.6	10	ug/l	1	08/23/19	M-02
2,4-Dimethylphenol	ND	3.0	10	ug/l	1	08/23/19	M-02
2,4-Dinitrophenol	ND	16	50	ug/l	1	08/23/19	M-02
2,4-Dinitrotoluene	ND	1.8	10	ug/l	1	08/23/19	M-02
2,6-Dinitrotoluene	ND	2.7	10	ug/l	1	08/23/19	M-02
2-Chloronaphthalene	ND	4.5	10	ug/l	1	08/23/19	M-02
2-Chlorophenol	ND	2.8	10	ug/l	1	08/23/19	M-02
2-Methyl-4,6-dinitrophenol	ND	10	10	ug/l	1	08/23/19	M-02
2-Nitrophenol	ND	2.6	10	ug/l	1	08/23/19	M-02
3,3'-Dichlorobenzidine	ND	10	10	ug/l	1	08/23/19	M-02
4-Bromophenyl phenyl ether	ND	3.6	10	ug/l	1	08/23/19	M-02
4-Chloro-3-methylphenol	ND	2.3	10	ug/l	1	08/23/19	M-02
4-Chlorophenyl phenyl ether	ND	4.1	10	ug/l	1	08/23/19	M-02
4-Nitrophenol	ND	4.5	20	ug/l	1	08/23/19	M-02
Acenaphthene	ND	3.8	10	ug/l	1	08/23/19	M-02
Acenaphthylene	ND	4.0	10	ug/l	1	08/23/19	M-02
Anthracene	ND	3.4	10	ug/l	1	08/23/19	M-02
Benzidine	ND	37	100	ug/l	1	08/23/19	M-02
Benzo (a) anthracene	ND	1.9	10	ug/l	1	08/23/19	M-02
Benzo (a) pyrene	ND	1.3	10	ug/l	1	08/23/19	M-02
Benzo (b) fluoranthene	ND	1.4	10	ug/l	1	08/23/19	M-02
Benzo (g,h,i) perylene	ND	1.0	10	ug/l	1	08/23/19	M-02
Benzo (k) fluoranthene	ND	2.2	10	ug/l	1	08/23/19	M-02
Bis(2-chloroethoxy)methane	ND	2.5	10	ug/l	1	08/23/19	M-02
Bis(2-chloroethyl)ether	ND	2.7	10	ug/l	1	08/23/19	M-02
Bis(2-chloroisopropyl)ether	ND	3.8	10	ug/l	1	08/23/19	M-02
Bis(2-ethylhexyl)phthalate	ND	20	20	ug/l	1	08/23/19	M-02
Butyl benzyl phthalate	ND	1.8	10	ug/l	1	08/23/19	M-02
Chrysene	ND	1.9	10	ug/l	1	08/23/19	M-02
Dibenzo (a,h) anthracene	ND	0.80	10	ug/l	1	08/23/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	1.5	10	ug/l	1	08/23/19	M-02
Dimethyl phthalate	ND	1.8	10	ug/l	1	08/23/19	M-02
Di-n-butyl phthalate	ND	2.4	10	ug/l	1	08/23/19	M-02
Di-n-octyl phthalate	ND	1.9	10	ug/l	1	08/23/19	M-02
Fluoranthene	ND	2.2	10	ug/l	1	08/23/19	M-02
Fluorene	ND	3.5	10	ug/l	1	08/23/19	M-02
Hexachlorobenzene	ND	4.9	10	ug/l	1	08/23/19	M-02
Hexachlorobutadiene	ND	4.7	10	ug/l	1	08/23/19	M-02
Hexachlorocyclopentadiene	ND	15	50	ug/l	1	08/23/19	M-02
Hexachloroethane	ND	5.2	10	ug/l	1	08/23/19	M-02
Indeno (1,2,3-cd) pyrene	ND	1.2	10	ug/l	1	08/23/19	M-02
Isophorone	ND	2.1	10	ug/l	1	08/23/19	M-02
Naphthalene	ND	4.9	10	ug/l	1	08/23/19	M-02
Nitrobenzene	ND	3.6	10	ug/l	1	08/23/19	M-02
N-Nitrosodimethylamine	ND	1.4	10	ug/l	1	08/23/19	M-02
N-Nitrosodi-n-propylamine	ND	2.6	10	ug/l	1	08/23/19	M-02
N-Nitrosodiphenylamine	ND	1.9	10	ug/l	1	08/23/19	M-02
Pentachlorophenol	ND	1.9	10	ug/l	1	08/23/19	M-02
Phenanthrene	ND	3.2	10	ug/l	1	08/23/19	M-02
Phenol	ND	1.6	10	ug/l	1	08/23/19	M-02
Pyrene	ND	2.5	10	ug/l	1	08/23/19	M-02
Surrogate(s)							
2,4,6-Tribromophenol	*76%*	*Conc: 382*	*37-120*			*08/23/19*	*M-02*
2-Fluorobiphenyl	*73%*	*Conc: 184*	*43-120*			*08/23/19*	*M-02*
2-Fluorophenol	*47%*	*Conc: 235*	*31-100*			*08/23/19*	*M-02*
Nitrobenzene-d5	*71%*	*Conc: 178*	*45-120*			*08/23/19*	*M-02*
Phenol-d5	*30%*	*Conc: 149*	*15-100*			*08/23/19*	*M-02*
Terphenyl-d14	*100%*	*Conc: 249*	*61-130*			*08/23/19*	*M-02*
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	6.3	50	ug/l	10	08/27/19	M-05
Chlorite	ND	7.0	100	ug/l	10	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*110%*	*Conc: 550*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*89%*	*Conc: 8.87*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*97%*	*Conc: 9.66*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.0045	0.050	ug/l	1	08/29/19	M-02
4,4´-DDE	ND	0.0090	0.050	ug/l	1	08/29/19	M-02
4,4´-DDT	ND	0.0065	0.050	ug/l	1	08/29/19	M-02
Aldrin	ND	0.0045	0.050	ug/l	1	08/29/19	M-02
alpha-BHC	ND	0.0040	0.050	ug/l	1	08/29/19	M-02
Aroclor 1016	ND	0.11	0.50	ug/l	1	08/29/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.42	0.50	ug/l	1	08/29/19	M-02
Aroclor 1232	ND	0.32	0.50	ug/l	1	08/29/19	M-02
Aroclor 1242	ND	0.35	0.50	ug/l	1	08/29/19	M-02
Aroclor 1248	ND	0.24	0.50	ug/l	1	08/29/19	M-02
Aroclor 1254	ND	0.34	0.50	ug/l	1	08/29/19	M-02
Aroclor 1260	ND	0.10	0.50	ug/l	1	08/29/19	M-02
beta-BHC	ND	0.0075	0.050	ug/l	1	08/29/19	M-02
Chlordane (tech)	ND	0.33	0.50	ug/l	1	08/29/19	M-02
Chlorothalonil	ND	0.010	0.25	ug/l	1	08/29/19	M-02
delta-BHC	ND	0.0050	0.050	ug/l	1	08/29/19	M-02
Dieldrin	ND	0.010	0.050	ug/l	1	08/29/19	M-02
Endosulfan I	ND	0.0045	0.050	ug/l	1	08/29/19	M-02
Endosulfan II	ND	0.0040	0.050	ug/l	1	08/29/19	M-02
Endosulfan sulfate	ND	0.0065	0.050	ug/l	1	08/29/19	M-02
Endrin	ND	0.010	0.050	ug/l	1	08/29/19	M-02
Endrin aldehyde	ND	0.0065	0.050	ug/l	1	08/29/19	M-02
gamma-BHC (Lindane)	ND	0.0075	0.050	ug/l	1	08/29/19	M-02
Heptachlor	ND	0.0045	0.050	ug/l	1	08/29/19	M-02
Heptachlor epoxide	ND	0.0055	0.050	ug/l	1	08/29/19	M-02
Hexachlorobenzene	ND	0.015	0.25	ug/l	1	08/29/19	M-02
Hexachlorocyclopentadiene	ND	0.070	0.25	ug/l	1	08/29/19	M-02
Methoxychlor	ND	0.022	0.050	ug/l	1	08/29/19	M-02
PCBs, Total	ND	0.24	2.5	ug/l	1	08/29/19	M-02
Propachlor	ND	0.050	0.25	ug/l	1	08/29/19	M-02
Toxaphene	ND	0.33	2.5	ug/l	1	08/29/19	M-02
Trifluralin	ND	0.015	0.050	ug/l	1	08/29/19	M-02
Surrogate(s)							
Decachlorobiphenyl	*42%*	*Conc: 0.212*	*70-130*			*08/29/19*	*M-02, S-GC*
Tetrachloro-meta-xylene	*87%*	*Conc: 0.433*	*70-130*			*08/29/19*	*M-02*
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	18	200	ug/l	1	09/03/19	M-02
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03			**Prepared:** 08/20/19 14:45			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 00:43	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 00:43	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	**2.3**	1.8	5.0	ug/l	1	08/20/19	J
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*103%*	*Conc: 10.3*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**2.4**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	5.0	20	ng/l	1	08/28/19	M-02
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	**12**	0.31	1.0	ng/l	1	10/09/19	I-05
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**5.0**	0.31	1.0	ng/l	1	10/01/19	
DEET	**1.6**	0.060	1.0	ng/l	1	10/01/19	
Sucralose	**21**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.11	0.50	ug/l	1	09/07/19	M-02
Atrazine	ND	0.17	0.50	ug/l	1	09/07/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.35	0.50	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)adipate	ND	0.52	10	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)phthalate	ND	5.3	10	ug/l	1	09/07/19	M-02
Bromacil	ND	0.19	2.5	ug/l	1	09/07/19	M-02
Butachlor	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Captan	ND	4.3	5.0	ug/l	1	09/07/19	M-02
Chlorpropham	ND	0.050	0.50	ug/l	1	09/07/19	M-02
Cyanazine	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Diazinon	ND	0.48	0.50	ug/l	1	09/07/19	M-02
Dimethoate	ND	0.12	1.0	ug/l	1	09/07/19	M-02
Diphenamid	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Disulfoton	ND	0.16	0.50	ug/l	1	09/07/19	M-02
EPTC	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Metolachlor	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Metribuzin	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Molinate	ND	0.20	0.50	ug/l	1	09/07/19	M-02
Prometon	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Prometryn	ND	0.18	0.50	ug/l	1	09/07/19	M-02
Simazine	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Terbacil	ND	2.8	10	ug/l	1	09/07/19	M-02
Thiobencarb	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Trithion	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*96%*	*Conc: 24.0*	*70-130*			*09/07/19*	*M-02*
Perylene-d12	*44%*	*Conc: 11.0*	*50-120*			*09/07/19*	*M-02, S-GC*
Triphenyl phosphate	*99%*	*Conc: 24.7*	*70-130*			*09/07/19*	*M-02*

Sample: SMBRP-9 (418266-002) (Field Blank)
9H15070-04 (Water)

Sampled: 08/13/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03 **Prepared:** 08/20/19 14:45 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 01:12	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 01:12	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	5.5	10	ug/l	1	08/23/19	M-02
1,2-Dichlorobenzene	ND	5.7	10	ug/l	1	08/23/19	M-02
1,2-Diphenylhydrazine/Azobenzene	ND	2.5	10	ug/l	1	08/23/19	M-02
1,3-Dichlorobenzene	ND	5.3	10	ug/l	1	08/23/19	M-02
1,4-Dichlorobenzene	ND	5.5	10	ug/l	1	08/23/19	M-02
2,4,6-Trichlorophenol	ND	2.2	10	ug/l	1	08/23/19	M-02
2,4-Dichlorophenol	ND	2.6	10	ug/l	1	08/23/19	M-02
2,4-Dimethylphenol	ND	3.0	10	ug/l	1	08/23/19	M-02
2,4-Dinitrophenol	ND	16	50	ug/l	1	08/23/19	M-02
2,4-Dinitrotoluene	ND	1.8	10	ug/l	1	08/23/19	M-02
2,6-Dinitrotoluene	ND	2.7	10	ug/l	1	08/23/19	M-02
2-Chloronaphthalene	ND	4.5	10	ug/l	1	08/23/19	M-02
2-Chlorophenol	ND	2.8	10	ug/l	1	08/23/19	M-02
2-Methyl-4,6-dinitrophenol	ND	10	10	ug/l	1	08/23/19	M-02
2-Nitrophenol	ND	2.6	10	ug/l	1	08/23/19	M-02
3,3'-Dichlorobenzidine	ND	10	10	ug/l	1	08/23/19	M-02
4-Bromophenyl phenyl ether	ND	3.6	10	ug/l	1	08/23/19	M-02
4-Chloro-3-methylphenol	ND	2.3	10	ug/l	1	08/23/19	M-02
4-Chlorophenyl phenyl ether	ND	4.1	10	ug/l	1	08/23/19	M-02
4-Nitrophenol	ND	4.5	20	ug/l	1	08/23/19	M-02
Acenaphthene	ND	3.8	10	ug/l	1	08/23/19	M-02
Acenaphthylene	ND	4.0	10	ug/l	1	08/23/19	M-02
Anthracene	ND	3.4	10	ug/l	1	08/23/19	M-02
Benzidine	ND	37	100	ug/l	1	08/23/19	M-02
Benzo (a) anthracene	ND	1.9	10	ug/l	1	08/23/19	M-02
Benzo (a) pyrene	ND	1.3	10	ug/l	1	08/23/19	M-02
Benzo (b) fluoranthene	ND	1.4	10	ug/l	1	08/23/19	M-02
Benzo (g,h,i) perylene	ND	1.0	10	ug/l	1	08/23/19	M-02
Benzo (k) fluoranthene	ND	2.2	10	ug/l	1	08/23/19	M-02
Bis(2-chloroethoxy)methane	ND	2.5	10	ug/l	1	08/23/19	M-02
Bis(2-chloroethyl)ether	ND	2.7	10	ug/l	1	08/23/19	M-02
Bis(2-chloroisopropyl)ether	ND	3.8	10	ug/l	1	08/23/19	M-02
Bis(2-ethylhexyl)phthalate	ND	20	20	ug/l	1	08/23/19	M-02
Butyl benzyl phthalate	ND	1.8	10	ug/l	1	08/23/19	M-02
Chrysene	ND	1.9	10	ug/l	1	08/23/19	M-02
Dibenzo (a,h) anthracene	ND	0.80	10	ug/l	1	08/23/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported: 11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	1.5	10	ug/l	1	08/23/19	M-02
Dimethyl phthalate	ND	1.8	10	ug/l	1	08/23/19	M-02
Di-n-butyl phthalate	ND	2.4	10	ug/l	1	08/23/19	M-02
Di-n-octyl phthalate	ND	1.9	10	ug/l	1	08/23/19	M-02
Fluoranthene	ND	2.2	10	ug/l	1	08/23/19	M-02
Fluorene	ND	3.5	10	ug/l	1	08/23/19	M-02
Hexachlorobenzene	ND	4.9	10	ug/l	1	08/23/19	M-02
Hexachlorobutadiene	ND	4.7	10	ug/l	1	08/23/19	M-02
Hexachlorocyclopentadiene	ND	15	50	ug/l	1	08/23/19	M-02
Hexachloroethane	ND	5.2	10	ug/l	1	08/23/19	M-02
Indeno (1,2,3-cd) pyrene	ND	1.2	10	ug/l	1	08/23/19	M-02
Isophorone	ND	2.1	10	ug/l	1	08/23/19	M-02
Naphthalene	ND	4.9	10	ug/l	1	08/23/19	M-02
Nitrobenzene	ND	3.6	10	ug/l	1	08/23/19	M-02
N-Nitrosodimethylamine	ND	1.4	10	ug/l	1	08/23/19	M-02
N-Nitrosodi-n-propylamine	ND	2.6	10	ug/l	1	08/23/19	M-02
N-Nitrosodiphenylamine	ND	1.9	10	ug/l	1	08/23/19	M-02
Pentachlorophenol	ND	1.9	10	ug/l	1	08/23/19	M-02
Phenanthrene	ND	3.2	10	ug/l	1	08/23/19	M-02
Phenol	ND	1.6	10	ug/l	1	08/23/19	M-02
Pyrene	ND	2.5	10	ug/l	1	08/23/19	M-02
Surrogate(s)							
2,4,6-Tribromophenol	*79%*	*Conc: 395*	*37-120*			*08/23/19*	*M-02*
2-Fluorobiphenyl	*80%*	*Conc: 201*	*43-120*			*08/23/19*	*M-02*
2-Fluorophenol	*52%*	*Conc: 258*	*31-100*			*08/23/19*	*M-02*
Nitrobenzene-d5	*79%*	*Conc: 198*	*45-120*			*08/23/19*	*M-02*
Phenol-d5	*32%*	*Conc: 158*	*15-100*			*08/23/19*	*M-02*
Terphenyl-d14	*101%*	*Conc: 251*	*61-130*			*08/23/19*	*M-02*
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*111%*	*Conc: 556*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*85%*	*Conc: 8.54*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*95%*	*Conc: 9.51*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.0045	0.050	ug/l	1	08/30/19	M-02
4,4´-DDE	ND	0.0090	0.050	ug/l	1	08/30/19	M-02
4,4´-DDT	ND	0.0065	0.050	ug/l	1	08/30/19	M-02
Aldrin	ND	0.0045	0.050	ug/l	1	08/30/19	M-02
alpha-BHC	ND	0.0040	0.050	ug/l	1	08/30/19	M-02
Aroclor 1016	ND	0.11	0.50	ug/l	1	08/30/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.42	0.50	ug/l	1	08/30/19	M-02
Aroclor 1232	ND	0.32	0.50	ug/l	1	08/30/19	M-02
Aroclor 1242	ND	0.35	0.50	ug/l	1	08/30/19	M-02
Aroclor 1248	ND	0.24	0.50	ug/l	1	08/30/19	M-02
Aroclor 1254	ND	0.34	0.50	ug/l	1	08/30/19	M-02
Aroclor 1260	ND	0.10	0.50	ug/l	1	08/30/19	M-02
beta-BHC	ND	0.0075	0.050	ug/l	1	08/30/19	M-02
Chlordane (tech)	ND	0.33	0.50	ug/l	1	08/30/19	M-02
Chlorothalonil	ND	0.010	0.25	ug/l	1	08/30/19	M-02
delta-BHC	ND	0.0050	0.050	ug/l	1	08/30/19	M-02
Dieldrin	ND	0.010	0.050	ug/l	1	08/30/19	M-02
Endosulfan I	ND	0.0045	0.050	ug/l	1	08/30/19	M-02
Endosulfan II	ND	0.0040	0.050	ug/l	1	08/30/19	M-02
Endosulfan sulfate	ND	0.0065	0.050	ug/l	1	08/30/19	M-02
Endrin	ND	0.010	0.050	ug/l	1	08/30/19	M-02
Endrin aldehyde	ND	0.0065	0.050	ug/l	1	08/30/19	M-02
gamma-BHC (Lindane)	ND	0.0075	0.050	ug/l	1	08/30/19	M-02
Heptachlor	ND	0.0045	0.050	ug/l	1	08/30/19	M-02
Heptachlor epoxide	ND	0.0055	0.050	ug/l	1	08/30/19	M-02
Hexachlorobenzene	ND	0.015	0.25	ug/l	1	08/30/19	M-02
Hexachlorocyclopentadiene	ND	0.070	0.25	ug/l	1	08/30/19	M-02
Methoxychlor	ND	0.022	0.050	ug/l	1	08/30/19	M-02
PCBs, Total	ND	0.24	2.5	ug/l	1	08/30/19	M-02
Propachlor	ND	0.050	0.25	ug/l	1	08/30/19	M-02
Toxaphene	ND	0.33	2.5	ug/l	1	08/30/19	M-02
Trifluralin	ND	0.015	0.050	ug/l	1	08/30/19	M-02
Surrogate(s)							
Decachlorobiphenyl	*72%*	*Conc: 0.359*	*70-130*			*08/30/19*	*M-02*
Tetrachloro-meta-xylene	*95%*	*Conc: 0.475*	*70-130*			*08/30/19*	*M-02*
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03			**Prepared:** 08/20/19 14:45			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 01:41	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 01:41	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*102%*	*Conc: 10.2*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.063**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	5.0	20	ng/l	1	08/29/19	M-02
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	**79**	6.2	20	ng/l	1	10/09/19	I-05, M-02
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	25	40	ng/l	1	09/27/19	M-02
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**15**	6.2	20	ng/l	1	10/01/19	M-02, J
DEET	**17**	1.2	20	ng/l	1	10/01/19	M-02, J
Sucralose	**7700**	100	100	ng/l	1	10/01/19	M-02
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.11	0.50	ug/l	1	09/07/19	M-02
Atrazine	ND	0.17	0.50	ug/l	1	09/07/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.35	0.50	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)adipate	ND	0.52	10	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)phthalate	ND	5.3	10	ug/l	1	09/07/19	M-02
Bromacil	ND	0.19	2.5	ug/l	1	09/07/19	M-02
Butachlor	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Captan	ND	4.3	5.0	ug/l	1	09/07/19	M-02
Chlorpropham	ND	0.050	0.50	ug/l	1	09/07/19	M-02
Cyanazine	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Diazinon	ND	0.48	0.50	ug/l	1	09/07/19	M-02
Dimethoate	ND	0.12	1.0	ug/l	1	09/07/19	M-02
Diphenamid	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Disulfoton	ND	0.16	0.50	ug/l	1	09/07/19	M-02
EPTC	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Metolachlor	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Metribuzin	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Molinate	ND	0.20	0.50	ug/l	1	09/07/19	M-02
Prometon	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Prometryn	ND	0.18	0.50	ug/l	1	09/07/19	M-02
Simazine	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Terbacil	ND	2.8	10	ug/l	1	09/07/19	M-02
Thiobencarb	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Trithion	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*103%*	*Conc: 25.7*	*70-130*			*09/07/19*	*M-02*
Perylene-d12	*6%*	*Conc: 1.60*	*50-120*			*09/07/19*	*M-02, S-GC*
Triphenyl phosphate	*113%*	*Conc: 28.2*	*70-130*			*09/07/19*	*M-02*

Sample: SMBRP-11 (418266-003) (Field Blank)
9H15070-06 (Water)

Sampled: 08/13/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03 **Prepared:** 08/20/19 14:45 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 02:10	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 02:10	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/23/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/23/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/23/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/23/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/23/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/23/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/23/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/23/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/23/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/23/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/23/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/23/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/23/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/23/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/23/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/23/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/23/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/23/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/23/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/23/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/23/19	
Benzidine	ND	3.7	10	ug/l	1	08/23/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/23/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/23/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/23/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/23/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/23/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/23/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/23/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/23/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/23/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/23/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/23/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/23/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/23/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/23/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/23/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/23/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/23/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/23/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/23/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/23/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/23/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/23/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/23/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/23/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/23/19	
Phenol	ND	0.16	1.0	ug/l	1	08/23/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/23/19	
Surrogate(s)							
2,4,6-Tribromophenol	*75%*	*Conc: 37.6*	*37-120*			*08/23/19*	
2-Fluorobiphenyl	*69%*	*Conc: 17.2*	*43-120*			*08/23/19*	
2-Fluorophenol	*44%*	*Conc: 22.0*	*31-100*			*08/23/19*	
Nitrobenzene-d5	*67%*	*Conc: 16.7*	*45-120*			*08/23/19*	
Phenol-d5	*27%*	*Conc: 13.7*	*15-100*			*08/23/19*	
Terphenyl-d14	*95%*	*Conc: 23.6*	*61-130*			*08/23/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*95%*	*Conc: 475*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*78%*	*Conc: 7.76*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*95%*	*Conc: 9.47*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*82% Conc: 0.0819*		*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*77% Conc: 0.0768*		*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	**2.1**	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 01:52	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 01:52	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*107%*	*Conc: 10.7*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.15**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	**0.65**	0.50	2.0	ng/l	1	08/29/19	J
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**15**	0.31	1.0	ng/l	1	10/01/19	
DEET	**2.1**	0.060	1.0	ng/l	1	10/01/19	
Sucralose	**600**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*88%*	*Conc: 4.42*	*70-130*			*09/07/19*	
Perylene-d12	*55%*	*Conc: 2.76*	*50-120*			*09/07/19*	
Triphenyl phosphate	*126%*	*Conc: 6.32*	*70-130*			*09/07/19*	

Sample: MCWP-MW04S (418266-004) (Field Blank)
9H15070-08 (Water)

Sampled: 08/13/19 11:45 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 02:21	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 02:21	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/23/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/23/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/23/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/23/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/23/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/23/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/23/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/23/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/23/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/23/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/23/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/23/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/23/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/23/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/23/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/23/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/23/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/23/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/23/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/23/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/23/19	
Benzidine	ND	3.7	10	ug/l	1	08/23/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/23/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/23/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/23/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/23/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/23/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/23/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/23/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/23/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/23/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/23/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/23/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/23/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/23/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/23/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/23/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/23/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/23/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/23/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/23/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/23/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/23/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/23/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/23/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/23/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/23/19	
Phenol	ND	0.16	1.0	ug/l	1	08/23/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/23/19	
Surrogate(s)							
2,4,6-Tribromophenol	*68%*	*Conc: 33.9*	*37-120*			*08/23/19*	
2-Fluorobiphenyl	*70%*	*Conc: 17.6*	*43-120*			*08/23/19*	
2-Fluorophenol	*47%*	*Conc: 23.5*	*31-100*			*08/23/19*	
Nitrobenzene-d5	*69%*	*Conc: 17.4*	*45-120*			*08/23/19*	
Phenol-d5	*29%*	*Conc: 14.5*	*15-100*			*08/23/19*	
Terphenyl-d14	*99%*	*Conc: 24.7*	*61-130*			*08/23/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*109%*	*Conc: 546*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*83%*	*Conc: 8.28*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*96%*	*Conc: 9.58*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*115%*	*Conc: 0.115*	*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*95%*	*Conc: 0.0952*	*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 02:49	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 02:49	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*102%*	*Conc: 10.2*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.032**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	08/29/19	
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**0.39**	0.31	1.0	ng/l	1	10/01/19	J
DEET	**0.74**	0.060	1.0	ng/l	1	10/01/19	J
Sucralose	**100**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*100%*	*Conc: 5.02*	*70-130*			*09/07/19*	
Perylene-d12	*94%*	*Conc: 4.72*	*50-120*			*09/07/19*	
Triphenyl phosphate	*110%*	*Conc: 5.52*	*70-130*			*09/07/19*	

Sample: MCWP-MW04D (418266-005) (Field Blank)
9H15070-10 (Water)

Sampled: 08/13/19 11:15 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 03:18	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 03:18	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625											
Blank (W9H0957-BLK1)					**Prepared: 08/16/19 Analyzed: 08/22/19**						
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.30	1.0	ug/l							
2,4-Dinitrophenol	ND	1.6	5.0	ug/l							
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	0.45	2.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.40	1.0	ug/l							
Anthracene	ND	0.34	1.0	ug/l							
Benzidine	ND	3.7	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.13	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l							
Butyl benzyl phthalate	ND	0.18	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l							
Diethyl phthalate	ND	0.15	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.24	1.0	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Blank (W9H0957-BLK1)					**Prepared: 08/16/19 Analyzed: 08/22/19**						
Di-n-octyl phthalate	ND	0.19	1.0	ug/l							
Fluoranthene	ND	0.22	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l							
Hexachloroethane	ND	0.52	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.19	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.16	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*34.2*			*ug/l*	*50.0*		*68*	*37-120*			
2-Fluorobiphenyl	*17.6*			*ug/l*	*25.0*		*71*	*43-120*			
2-Fluorophenol	*25.6*			*ug/l*	*50.0*		*51*	*31-100*			
Nitrobenzene-d5	*18.4*			*ug/l*	*25.0*		*74*	*45-120*			
Phenol-d5	*16.0*			*ug/l*	*50.0*		*32*	*15-100*			
Terphenyl-d14	*21.6*			*ug/l*	*25.0*		*86*	*61-130*			
Blank (W9H0957-BLK2)					**Prepared: 08/16/19 Analyzed: 08/23/19**						
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l							QC-2
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l							QC-2
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l							QC-2
Surrogate(s)											
2,4,6-Tribromophenol	*35.2*			*ug/l*	*50.0*		*70*	*37-120*			*QC-2*
2-Fluorobiphenyl	*18.0*			*ug/l*	*25.0*		*72*	*43-120*			*QC-2*
2-Fluorophenol	*25.8*			*ug/l*	*50.0*		*52*	*31-100*			*QC-2*
Nitrobenzene-d5	*18.9*			*ug/l*	*25.0*		*75*	*45-120*			*QC-2*
Phenol-d5	*16.3*			*ug/l*	*50.0*		*33*	*15-100*			*QC-2*
Terphenyl-d14	*21.5*			*ug/l*	*25.0*		*86*	*61-130*			*QC-2*
LCS (W9H0957-BS1)					**Prepared: 08/16/19 Analyzed: 08/22/19**						
1,2,4-Trichlorobenzene	17.0	0.55	1.0	ug/l	25.0		68	44-130			
1,2-Dichlorobenzene	17.8	0.57	1.0	ug/l	25.0		71	44-120			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
LCS (W9H0957-BS1)					**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
1,3-Dichlorobenzene	17.0	0.53	1.0	ug/l	25.0		68	42-120			
1,4-Dichlorobenzene	16.3	0.55	1.0	ug/l	25.0		65	42-120			
2,4,6-Trichlorophenol	20.2	0.22	1.0	ug/l	25.0		81	46-130			
2,4-Dichlorophenol	20.2	0.26	1.0	ug/l	25.0		81	45-130			
2,4-Dimethylphenol	19.6	0.30	1.0	ug/l	25.0		78	33-120			
2,4-Dinitrophenol	27.3	1.6	5.0	ug/l	25.0		109	36-163			
2,4-Dinitrotoluene	22.1	0.18	1.0	ug/l	25.0		88	58-130			
2,6-Dinitrotoluene	21.3	0.27	1.0	ug/l	25.0		85	50-130			
2-Chloronaphthalene	19.0	0.45	1.0	ug/l	25.0		76	43-130			
2-Chlorophenol	19.1	0.28	1.0	ug/l	25.0		76	44-120			
2-Methyl-4,6-dinitrophenol	22.6	1.0	1.0	ug/l	25.0		91	42-150			
2-Nitrophenol	20.1	0.26	1.0	ug/l	25.0		80	41-130			
3,3'-Dichlorobenzidine	22.4	1.0	1.0	ug/l	25.0		90	18-143			
4-Bromophenyl phenyl ether	19.9	0.36	1.0	ug/l	25.0		80	53-130			
4-Chloro-3-methylphenol	21.2	0.23	1.0	ug/l	25.0		85	47-130			
4-Chlorophenyl phenyl ether	19.1	0.41	1.0	ug/l	25.0		76	44-130			
4-Nitrophenol	9.37	0.45	2.0	ug/l	25.0		37	24-100			
Acenaphthene	19.8	0.38	1.0	ug/l	25.0		79	47-130			
Acenaphthylene	20.7	0.40	1.0	ug/l	25.0		83	44-130			
Anthracene	21.1	0.34	1.0	ug/l	25.0		84	56-130			
Benzo (a) anthracene	23.2	0.19	1.0	ug/l	25.0		93	50-130			
Benzo (a) pyrene	22.9	0.13	1.0	ug/l	25.0		92	58-130			
Benzo (b) fluoranthene	24.8	0.14	1.0	ug/l	25.0		99	57-130			AN-IP
Benzo (g,h,i) perylene	25.3	0.10	1.0	ug/l	25.0		101	30-143			
Benzo (k) fluoranthene	23.8	0.22	1.0	ug/l	25.0		95	57-130			AN-IP
Bis(2-chloroethoxy)methane	19.1	0.25	1.0	ug/l	25.0		76	34-130			
Bis(2-chloroethyl)ether	18.9	0.27	1.0	ug/l	25.0		76	39-130			
Bis(2-chloroisopropyl)ether	20.6	0.38	1.0	ug/l	25.0		82	36-130			
Bis(2-ethylhexyl)phthalate	25.2	2.0	2.0	ug/l	25.0		101	44-130			
Butyl benzyl phthalate	24.2	0.18	1.0	ug/l	25.0		97	56-130			
Chrysene	23.4	0.19	1.0	ug/l	25.0		94	61-130			
Dibenzo (a,h) anthracene	25.4	0.080	1.0	ug/l	25.0		102	29-130			
Diethyl phthalate	20.6	0.15	1.0	ug/l	25.0		82	58-130			
Dimethyl phthalate	21.1	0.18	1.0	ug/l	25.0		84	50-130			
Di-n-butyl phthalate	23.6	0.24	1.0	ug/l	25.0		94	68-130			
Di-n-octyl phthalate	24.1	0.19	1.0	ug/l	25.0		96	41-130			
Fluoranthene	22.9	0.22	1.0	ug/l	25.0		92	61-130			
Fluorene	21.0	0.35	1.0	ug/l	25.0		84	59-130			
Hexachlorobenzene	19.7	0.49	1.0	ug/l	25.0		79	55-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
LCS (W9H0957-BS1)					**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
Hexachlorobutadiene	17.5	0.47	1.0	ug/l	25.0		70	41-130			
Hexachlorocyclopentadiene	9.04	1.5	5.0	ug/l	25.0		36	6-120			
Hexachloroethane	15.0	0.52	1.0	ug/l	25.0		60	42-120			
Indeno (1,2,3-cd) pyrene	23.6	0.12	1.0	ug/l	25.0		94	42-130			
Isophorone	20.2	0.21	1.0	ug/l	25.0		81	36-130			
Naphthalene	19.4	0.49	1.0	ug/l	25.0		77	41-130			
Nitrobenzene	18.5	0.36	1.0	ug/l	25.0		74	44-130			
N-Nitrosodimethylamine	14.2	0.14	1.0	ug/l	25.0		57	7-120			
N-Nitrosodi-n-propylamine	20.1	0.26	1.0	ug/l	25.0		80	37-130			
N-Nitrosodiphenylamine	16.8	0.19	1.0	ug/l	25.0		67	42-120			
Pentachlorophenol	23.1	0.19	1.0	ug/l	25.0		92	43-130			
Phenanthrene	21.1	0.32	1.0	ug/l	25.0		85	54-130			
Phenol	8.19	0.16	1.0	ug/l	25.0		33	17-100			
Pyrene	22.6	0.25	1.0	ug/l	25.0		90	55-130			
Surrogate(s)											
2,4,6-Tribromophenol	*40.8*			*ug/l*	*50.0*		*82*	*37-120*			
2-Fluorobiphenyl	*18.4*			*ug/l*	*25.0*		*73*	*43-120*			
2-Fluorophenol	*25.5*			*ug/l*	*50.0*		*51*	*31-100*			
Nitrobenzene-d5	*19.0*			*ug/l*	*25.0*		*76*	*45-120*			
Phenol-d5	*16.3*			*ug/l*	*50.0*		*33*	*15-100*			
Terphenyl-d14	*23.0*			*ug/l*	*25.0*		*92*	*61-130*			
LCS (W9H0957-BS2)					**Prepared: 08/16/19**	**Analyzed: 08/23/19**					
Benzo (g,h,i) perylene	25.3	0.10	1.0	ug/l	25.0		101	30-143			QC-2
Dibenzo (a,h) anthracene	25.8	0.080	1.0	ug/l	25.0		103	29-130			QC-2
Indeno (1,2,3-cd) pyrene	24.3	0.12	1.0	ug/l	25.0		97	42-130			QC-2
Surrogate(s)											
2,4,6-Tribromophenol	*41.5*			*ug/l*	*50.0*		*83*	*37-120*			*QC-2*
2-Fluorobiphenyl	*18.5*			*ug/l*	*25.0*		*74*	*43-120*			*QC-2*
2-Fluorophenol	*25.7*			*ug/l*	*50.0*		*51*	*31-100*			*QC-2*
Nitrobenzene-d5	*19.3*			*ug/l*	*25.0*		*77*	*45-120*			*QC-2*
Phenol-d5	*16.3*			*ug/l*	*50.0*		*33*	*15-100*			*QC-2*
Terphenyl-d14	*23.7*			*ug/l*	*25.0*		*95*	*61-130*			*QC-2*
Matrix Spike (W9H0957-MS1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
1,2,4-Trichlorobenzene	18.0	0.55	1.0	ug/l	25.0	ND	72	44-120			
1,2-Dichlorobenzene	18.7	0.57	1.0	ug/l	25.0	ND	75	46-130			
1,3-Dichlorobenzene	18.4	0.53	1.0	ug/l	25.0	ND	74	39-120			
1,4-Dichlorobenzene	17.5	0.55	1.0	ug/l	25.0	ND	70	40-120			
2,4,6-Trichlorophenol	19.3	0.22	1.0	ug/l	25.0	ND	77	37-130			
2,4-Dichlorophenol	19.3	0.26	1.0	ug/l	25.0	ND	77	43-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Matrix Spike (W9H0957-MS1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
2,4-Dimethylphenol	18.9	0.30	1.0	ug/l	25.0	ND	76	32-130			
2,4-Dinitrophenol	25.4	1.6	5.0	ug/l	25.0	ND	102	18-156			
2,4-Dinitrotoluene	21.6	0.18	1.0	ug/l	25.0	ND	87	58-130			
2,6-Dinitrotoluene	21.0	0.27	1.0	ug/l	25.0	ND	84	50-130			
2-Chloronaphthalene	19.0	0.45	1.0	ug/l	25.0	ND	76	41-120			
2-Chlorophenol	18.5	0.28	1.0	ug/l	25.0	ND	74	23-130			
2-Methyl-4,6-dinitrophenol	22.6	1.0	1.0	ug/l	25.0	ND	90	30-150			
2-Nitrophenol	19.2	0.26	1.0	ug/l	25.0	ND	77	37-130			
3,3'-Dichlorobenzidine	27.1	1.0	1.0	ug/l	25.0	ND	109	0.1-222			
4-Bromophenyl phenyl ether	19.8	0.36	1.0	ug/l	25.0	ND	79	54-130			
4-Chloro-3-methylphenol	21.1	0.23	1.0	ug/l	25.0	ND	84	24-130			
4-Chlorophenyl phenyl ether	18.4	0.41	1.0	ug/l	25.0	ND	74	49-120			
4-Nitrophenol	8.47	0.45	2.0	ug/l	25.0	ND	34	5-120			
Acenaphthene	19.0	0.38	1.0	ug/l	25.0	ND	76	47-130			
Acenaphthylene	20.5	0.40	1.0	ug/l	25.0	ND	82	33-130			
Anthracene	21.1	0.34	1.0	ug/l	25.0	ND	84	27-130			
Benzo (a) anthracene	23.4	0.19	1.0	ug/l	25.0	ND	93	39-130			
Benzo (a) pyrene	22.8	0.13	1.0	ug/l	25.0	ND	91	17-130			
Benzo (b) fluoranthene	24.8	0.14	1.0	ug/l	25.0	ND	99	54-130			AN-IP
Benzo (g,h,i) perylene	24.7	0.10	1.0	ug/l	25.0	ND	99	22-130			
Benzo (k) fluoranthene	23.9	0.22	1.0	ug/l	25.0	ND	95	44-130			AN-IP
Bis(2-chloroethoxy)methane	18.2	0.25	1.0	ug/l	25.0	ND	73	33-130			
Bis(2-chloroethyl)ether	18.1	0.27	1.0	ug/l	25.0	ND	72	30-130			
Bis(2-chloroisopropyl)ether	19.8	0.38	1.0	ug/l	25.0	ND	79	36-130			
Bis(2-ethylhexyl)phthalate	26.6	2.0	2.0	ug/l	25.0	3.53	92	50-130			
Butyl benzyl phthalate	24.6	0.18	1.0	ug/l	25.0	ND	99	56-130			
Chrysene	23.6	0.19	1.0	ug/l	25.0	ND	94	54-130			
Dibenzo (a,h) anthracene	25.2	0.080	1.0	ug/l	25.0	ND	101	33-130			
Diethyl phthalate	20.2	0.15	1.0	ug/l	25.0	ND	81	57-130			
Dimethyl phthalate	20.3	0.18	1.0	ug/l	25.0	ND	81	52-120			
Di-n-butyl phthalate	24.0	0.24	1.0	ug/l	25.0	ND	96	46-130			
Di-n-octyl phthalate	24.3	0.19	1.0	ug/l	25.0	ND	97	60-130			
Fluoranthene	23.3	0.22	1.0	ug/l	25.0	ND	93	44-130			
Fluorene	20.3	0.35	1.0	ug/l	25.0	ND	81	59-130			
Hexachlorobenzene	19.9	0.49	1.0	ug/l	25.0	ND	80	51-130			
Hexachlorobutadiene	20.9	0.47	1.0	ug/l	25.0	ND	84	42-120			
Hexachlorocyclopentadiene	9.81	1.5	5.0	ug/l	25.0	ND	39	15-120			
Hexachloroethane	17.2	0.52	1.0	ug/l	25.0	ND	69	45-120			
Indeno (1,2,3-cd) pyrene	23.6	0.12	1.0	ug/l	25.0	ND	94	37-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Matrix Spike (W9H0957-MS1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
Isophorone	19.5	0.21	1.0	ug/l	25.0	ND	78	21-130			
Naphthalene	19.7	0.49	1.0	ug/l	25.0	ND	79	39-120			
Nitrobenzene	17.9	0.36	1.0	ug/l	25.0	ND	72	41-120			
N-Nitrosodimethylamine	13.2	0.14	1.0	ug/l	25.0	ND	53	17-120			
N-Nitrosodi-n-propylamine	19.2	0.26	1.0	ug/l	25.0	ND	77	45-130			
N-Nitrosodiphenylamine	16.7	0.19	1.0	ug/l	25.0	ND	67	49-120			
Pentachlorophenol	22.8	0.19	1.0	ug/l	25.0	ND	91	18-130			
Phenanthrene	21.1	0.32	1.0	ug/l	25.0	ND	84	54-130			
Phenol	7.82	0.16	1.0	ug/l	25.0	ND	31	5-120			
Pyrene	23.1	0.25	1.0	ug/l	25.0	ND	93	54-130			
Surrogate(s)											
2,4,6-Tribromophenol	*39.2*			*ug/l*	*50.0*		*78*	*37-120*			
2-Fluorobiphenyl	*18.9*			*ug/l*	*25.0*		*75*	*43-120*			
2-Fluorophenol	*24.2*			*ug/l*	*50.0*		*48*	*31-100*			
Nitrobenzene-d5	*18.3*			*ug/l*	*25.0*		*73*	*45-120*			
Phenol-d5	*15.3*			*ug/l*	*50.0*		*31*	*15-100*			
Terphenyl-d14	*23.2*			*ug/l*	*25.0*		*93*	*61-130*			
Matrix Spike Dup (W9H0957-MSD1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
1,2,4-Trichlorobenzene	17.4	0.55	1.0	ug/l	25.0	ND	69	44-120	4	30	
1,2-Dichlorobenzene	18.2	0.57	1.0	ug/l	25.0	ND	73	46-130	3	30	
1,3-Dichlorobenzene	17.9	0.53	1.0	ug/l	25.0	ND	71	39-120	3	30	
1,4-Dichlorobenzene	17.1	0.55	1.0	ug/l	25.0	ND	68	40-120	3	30	
2,4,6-Trichlorophenol	18.8	0.22	1.0	ug/l	25.0	ND	75	37-130	3	30	
2,4-Dichlorophenol	19.4	0.26	1.0	ug/l	25.0	ND	77	43-130	0.2	30	
2,4-Dimethylphenol	18.4	0.30	1.0	ug/l	25.0	ND	74	32-130	3	30	
2,4-Dinitrophenol	28.1	1.6	5.0	ug/l	25.0	ND	113	18-156	10	30	
2,4-Dinitrotoluene	21.8	0.18	1.0	ug/l	25.0	ND	87	58-130	1	30	
2,6-Dinitrotoluene	20.5	0.27	1.0	ug/l	25.0	ND	82	50-130	2	30	
2-Chloronaphthalene	18.4	0.45	1.0	ug/l	25.0	ND	74	41-120	3	30	
2-Chlorophenol	18.0	0.28	1.0	ug/l	25.0	ND	72	23-130	3	30	
2-Methyl-4,6-dinitrophenol	22.6	1.0	1.0	ug/l	25.0	ND	91	30-150	0.1	30	
2-Nitrophenol	19.1	0.26	1.0	ug/l	25.0	ND	76	37-130	1	30	
3,3'-Dichlorobenzidine	27.2	1.0	1.0	ug/l	25.0	ND	109	0.1-222	0.3	30	
4-Bromophenyl phenyl ether	19.9	0.36	1.0	ug/l	25.0	ND	79	54-130	0.5	30	
4-Chloro-3-methylphenol	20.4	0.23	1.0	ug/l	25.0	ND	82	24-130	3	30	
4-Chlorophenyl phenyl ether	17.8	0.41	1.0	ug/l	25.0	ND	71	49-120	3	30	
4-Nitrophenol	9.53	0.45	2.0	ug/l	25.0	ND	38	5-120	12	30	
Acenaphthene	18.6	0.38	1.0	ug/l	25.0	ND	74	47-130	2	30	
Acenaphthylene	19.7	0.40	1.0	ug/l	25.0	ND	79	33-130	4	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Matrix Spike Dup (W9H0957-MSD1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
Anthracene	21.4	0.34	1.0	ug/l	25.0	ND	86	27-130	2	30	
Benzo (a) anthracene	22.9	0.19	1.0	ug/l	25.0	ND	92	39-130	2	30	
Benzo (a) pyrene	23.0	0.13	1.0	ug/l	25.0	ND	92	17-130	0.8	30	
Benzo (b) fluoranthene	24.7	0.14	1.0	ug/l	25.0	ND	99	54-130	0.3	30	AN-IP
Benzo (g,h,i) perylene	24.5	0.10	1.0	ug/l	25.0	ND	98	22-130	1	30	
Benzo (k) fluoranthene	23.7	0.22	1.0	ug/l	25.0	ND	95	44-130	0.6	30	AN-IP
Bis(2-chloroethoxy)methane	17.7	0.25	1.0	ug/l	25.0	ND	71	33-130	3	30	
Bis(2-chloroethyl)ether	17.6	0.27	1.0	ug/l	25.0	ND	71	30-130	2	30	
Bis(2-chloroisopropyl)ether	19.3	0.38	1.0	ug/l	25.0	ND	77	36-130	2	30	
Bis(2-ethylhexyl)phthalate	25.6	2.0	2.0	ug/l	25.0	3.53	88	50-130	4	30	
Butyl benzyl phthalate	23.9	0.18	1.0	ug/l	25.0	ND	96	56-130	3	30	
Chrysene	23.5	0.19	1.0	ug/l	25.0	ND	94	54-130	0.4	30	
Dibenzo (a,h) anthracene	24.8	0.080	1.0	ug/l	25.0	ND	99	33-130	2	30	
Diethyl phthalate	19.8	0.15	1.0	ug/l	25.0	ND	79	57-130	2	30	
Dimethyl phthalate	20.3	0.18	1.0	ug/l	25.0	ND	81	52-120	0.3	30	
Di-n-butyl phthalate	23.3	0.24	1.0	ug/l	25.0	ND	93	46-130	3	30	
Di-n-octyl phthalate	24.2	0.19	1.0	ug/l	25.0	ND	97	60-130	0.4	30	
Fluoranthene	23.0	0.22	1.0	ug/l	25.0	ND	92	44-130	1	30	
Fluorene	20.0	0.35	1.0	ug/l	25.0	ND	80	59-130	1	30	
Hexachlorobenzene	19.4	0.49	1.0	ug/l	25.0	ND	78	51-130	2	30	
Hexachlorobutadiene	20.3	0.47	1.0	ug/l	25.0	ND	81	42-120	3	30	
Hexachlorocyclopentadiene	9.52	1.5	5.0	ug/l	25.0	ND	38	15-120	3	30	
Hexachloroethane	16.8	0.52	1.0	ug/l	25.0	ND	67	45-120	2	30	
Indeno (1,2,3-cd) pyrene	23.3	0.12	1.0	ug/l	25.0	ND	93	37-130	1	30	
Isophorone	18.4	0.21	1.0	ug/l	25.0	ND	74	21-130	5	30	
Naphthalene	18.9	0.49	1.0	ug/l	25.0	ND	76	39-120	4	30	
Nitrobenzene	17.5	0.36	1.0	ug/l	25.0	ND	70	41-120	2	30	
N-Nitrosodimethylamine	12.8	0.14	1.0	ug/l	25.0	ND	51	17-120	2	30	
N-Nitrosodi-n-propylamine	18.6	0.26	1.0	ug/l	25.0	ND	74	45-130	4	30	
N-Nitrosodiphenylamine	16.6	0.19	1.0	ug/l	25.0	ND	67	49-120	0.5	30	
Pentachlorophenol	23.2	0.19	1.0	ug/l	25.0	ND	93	18-130	2	30	
Phenanthrene	21.2	0.32	1.0	ug/l	25.0	ND	85	54-130	0.8	30	
Phenol	7.61	0.16	1.0	ug/l	25.0	ND	30	5-120	3	30	
Pyrene	23.0	0.25	1.0	ug/l	25.0	ND	92	54-130	0.8	30	
Surrogate(s)											
2,4,6-Tribromophenol	*37.7*			*ug/l*	*50.0*		*75*	*37-120*			
2-Fluorobiphenyl	*17.7*			*ug/l*	*25.0*		*71*	*43-120*			
2-Fluorophenol	*23.2*			*ug/l*	*50.0*		*46*	*31-100*			
Nitrobenzene-d5	*17.8*			*ug/l*	*25.0*		*71*	*45-120*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Matrix Spike Dup (W9H0957-MSD1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
Surrogate(s)											
Phenol-d5	*15.1*			*ug/l*	*50.0*		*30*	*15-100*			
Terphenyl-d14	*22.4*			*ug/l*	*25.0*		*90*	*61-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1413 - EPA 300.1											
Blank (W9H1413-BLK1)					**Prepared & Analyzed: 08/26/19**						
Bromate	ND	0.63	5.0	ug/l							
Chlorite	ND	0.70	10	ug/l							
Surrogate(s)											
Dichloroacetate	*540*			*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*540*			*ug/l*	*500*		*108*	*90-115*			
LCS (W9H1413-BS1)					**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	102	0.63	5.0	ug/l	100		102	85-115			
Chlorite	97.2	0.70	10	ug/l	100		97	85-115			
Surrogate(s)											
Dichloroacetate	*549*			*ug/l*	*500*		*110*	*90-115*			
Dichloroacetate	*549*			*ug/l*	*500*		*110*	*90-115*			
Matrix Spike (W9H1413-MS1)	**Source: 9G06001-07**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	93.9	0.63	5.0	ug/l	100	ND	94	64-133			
Chlorite	92.9	0.70	10	ug/l	100	ND	93	78-129			
Surrogate(s)											
Dichloroacetate	*547*			*ug/l*	*500*		*109*	*90-115*			
Dichloroacetate	*547*			*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W9H1413-MS2)	**Source: 9H22043-03**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	102	0.63	5.0	ug/l	100	ND	102	64-133			
Chlorite	107	0.70	10	ug/l	100	ND	107	78-129			
Surrogate(s)											
Dichloroacetate	*557*			*ug/l*	*500*		*111*	*90-115*			
Dichloroacetate	*557*			*ug/l*	*500*		*111*	*90-115*			
Matrix Spike Dup (W9H1413-MSD1)	**Source: 9G06001-07**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	92.9	0.63	5.0	ug/l	100	ND	93	64-133	1	20	
Chlorite	97.9	0.70	10	ug/l	100	ND	98	78-129	5	20	
Surrogate(s)											
Dichloroacetate	*538*			*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*538*			*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W9H1413-MSD2)	**Source: 9H22043-03**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	115	0.63	5.0	ug/l	100	ND	115	64-133	12	20	
Chlorite	103	0.70	10	ug/l	100	ND	103	78-129	4	20	
Surrogate(s)											
Dichloroacetate	*560*			*ug/l*	*500*		*112*	*90-115*			
Dichloroacetate	*560*			*ug/l*	*500*		*112*	*90-115*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1290 - EPA 531.2											
Blank (W9H1290-BLK1)					**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l							
Aldicarb	ND	0.38	2.0	ug/l							
Aldicarb sulfone	ND	0.45	2.0	ug/l							
Aldicarb sulfoxide	ND	0.41	2.0	ug/l							
Carbaryl	ND	0.48	2.0	ug/l							
Carbofuran	ND	0.59	2.0	ug/l							
Methiocarb	ND	0.57	2.0	ug/l							
Methomyl	ND	0.30	2.0	ug/l							
Oxamyl	ND	0.48	2.0	ug/l							
Propoxur (Baygon)	ND	0.60	2.0	ug/l							
Surrogate(s)											
BDMC	*10.5*			*ug/l*	*10.0*		*105*	*70-130*			
LCS (W9H1290-BS1)					**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	11.3	0.48	2.0	ug/l	10.0		113	70-130			
Aldicarb	10.8	0.38	2.0	ug/l	10.0		108	70-130			
Aldicarb sulfone	9.86	0.45	2.0	ug/l	10.0		99	70-130			
Aldicarb sulfoxide	10.7	0.41	2.0	ug/l	10.0		107	70-130			
Carbaryl	10.4	0.48	2.0	ug/l	10.0		104	70-130			
Carbofuran	9.37	0.59	2.0	ug/l	10.0		94	70-130			
Methiocarb	11.0	0.57	2.0	ug/l	10.0		110	70-130			
Methomyl	10.0	0.30	2.0	ug/l	10.0		100	70-130			
Oxamyl	9.91	0.48	2.0	ug/l	10.0		99	70-130			
Propoxur (Baygon)	9.87	0.60	2.0	ug/l	10.0		99	70-130			
Surrogate(s)											
BDMC	*8.49*			*ug/l*	*10.0*		*85*	*70-130*			
Matrix Spike (W9H1290-MS1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	10.9	0.48	2.0	ug/l	10.0	ND	109	70-130			
Aldicarb	10.6	0.38	2.0	ug/l	10.0	ND	106	70-130			
Aldicarb sulfone	10.4	0.45	2.0	ug/l	10.0	ND	104	70-130			
Aldicarb sulfoxide	9.98	0.41	2.0	ug/l	10.0	ND	100	70-130			
Carbaryl	11.0	0.48	2.0	ug/l	10.0	ND	110	70-130			
Carbofuran	11.2	0.59	2.0	ug/l	10.0	ND	112	70-130			
Methiocarb	9.78	0.57	2.0	ug/l	10.0	ND	98	70-130			
Methomyl	10.5	0.30	2.0	ug/l	10.0	ND	105	70-130			
Oxamyl	10.6	0.48	2.0	ug/l	10.0	ND	106	70-130			
Propoxur (Baygon)	10.3	0.60	2.0	ug/l	10.0	ND	103	70-130			
Surrogate(s)											
BDMC	*10.8*			*ug/l*	*10.0*		*108*	*70-130*			
Matrix Spike Dup (W9H1290-MSD1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	11.9	0.48	2.0	ug/l	10.0	ND	119	70-130	9	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1290 - EPA 531.2 (Continued)											
Matrix Spike Dup (W9H1290-MSD1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
Aldicarb	11.0	0.38	2.0	ug/l	10.0	ND	110	70-130	3	30	
Aldicarb sulfone	9.57	0.45	2.0	ug/l	10.0	ND	96	70-130	8	30	
Aldicarb sulfoxide	9.49	0.41	2.0	ug/l	10.0	ND	95	70-130	5	30	
Carbaryl	11.3	0.48	2.0	ug/l	10.0	ND	113	70-130	3	30	
Carbofuran	9.28	0.59	2.0	ug/l	10.0	ND	93	70-130	19	30	
Methiocarb	10.6	0.57	2.0	ug/l	10.0	ND	106	70-130	8	30	
Methomyl	9.85	0.30	2.0	ug/l	10.0	ND	99	70-130	6	30	
Oxamyl	9.71	0.48	2.0	ug/l	10.0	ND	97	70-130	8	30	
Propoxur (Baygon)	10.7	0.60	2.0	ug/l	10.0	ND	107	70-130	4	30	
Surrogate(s)											
BDMC	*8.77*			*ug/l*	*10.0*		*88*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1133 - EPA 515.4											
Blank (W9H1133-BLK1)					**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	ND	0.070	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l							
2,4-D	ND	0.070	0.40	ug/l							
2,4-DB	ND	0.070	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l							
Acifluorfen	ND	0.060	0.40	ug/l							
Bentazon	ND	0.11	2.0	ug/l							
Dalapon	ND	0.10	0.40	ug/l							
DCPA	ND	0.070	0.10	ug/l							
Dicamba	ND	0.12	0.60	ug/l							
Dichloroprop	ND	0.080	0.30	ug/l							
Dinoseb	ND	0.14	0.40	ug/l							
Pentachlorophenol	ND	0.040	0.20	ug/l							
Picloram	ND	0.050	0.60	ug/l							
Surrogate(s)											
2,4-DCAA	*9.90*			*ug/l*	*10.0*		*99*	*70-130*			
LCS (W9H1133-BS1)					**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	3.57	0.070	0.20	ug/l	4.00		89	70-130			
2,4,5-TP (Silvex)	3.79	0.090	0.20	ug/l	4.00		95	70-130			
2,4-D	7.30	0.070	0.40	ug/l	8.00		91	70-130			
2,4-DB	14.5	0.070	2.0	ug/l	16.0		90	70-130			
3,5-Dichlorobenzoic acid	6.93	0.090	1.0	ug/l	8.00		87	70-130			
Acifluorfen	3.73	0.060	0.40	ug/l	4.00		93	70-130			
Bentazon	14.8	0.11	2.0	ug/l	16.0		93	70-130			
Dalapon	6.91	0.10	0.40	ug/l	8.00		86	70-130			
DCPA	3.83	0.070	0.10	ug/l	4.00		96	70-130			
Dicamba	7.32	0.12	0.60	ug/l	8.00		91	70-130			
Dichloroprop	7.33	0.080	0.30	ug/l	8.00		92	70-130			
Dinoseb	3.41	0.14	0.40	ug/l	4.00		85	70-130			
Pentachlorophenol	3.77	0.040	0.20	ug/l	4.00		94	70-130			
Picloram	3.76	0.050	0.60	ug/l	4.00		94	70-130			
Surrogate(s)											
2,4-DCAA	*9.80*			*ug/l*	*10.0*		*98*	*70-130*			
Matrix Spike (W9H1133-MS1)	**Source: 9G22090-01**				**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	3.64	0.070	0.20	ug/l	4.00	ND	91	70-130			
2,4,5-TP (Silvex)	3.91	0.090	0.20	ug/l	4.00	ND	98	70-130			
2,4-D	7.36	0.070	0.40	ug/l	8.00	ND	92	70-130			
2,4-DB	22.0	0.070	2.0	ug/l	16.0	ND	137	70-130			MS-05
3,5-Dichlorobenzoic acid	14.1	0.090	1.0	ug/l	8.00	ND	176	70-130			MS-05

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1133 - EPA 515.4 (Continued)											
Matrix Spike (W9H1133-MS1)	**Source: 9G22090-01**				**Prepared: 08/21/19**	**Analyzed: 08/22/19**					
Acifluorfen	3.37	0.060	0.40	ug/l	4.00	ND	84	70-130			
Bentazon	14.3	0.11	2.0	ug/l	16.0	ND	89	70-130			
Dalapon	6.82	0.10	0.40	ug/l	8.00	ND	85	70-130			
DCPA	3.82	0.070	0.10	ug/l	4.00	ND	95	70-130			
Dicamba	7.87	0.12	0.60	ug/l	8.00	ND	98	70-130			
Dichloroprop	6.71	0.080	0.30	ug/l	8.00	ND	84	70-130			
Dinoseb	2.62	0.14	0.40	ug/l	4.00	ND	65	70-130			MS-05
Pentachlorophenol	3.71	0.040	0.20	ug/l	4.00	ND	93	70-130			
Picloram	3.77	0.050	0.60	ug/l	4.00	ND	94	70-130			
Surrogate(s)											
2,4-DCAA	*9.75*			*ug/l*	*10.0*		*98*	*70-130*			
Matrix Spike Dup (W9H1133-MSD1)	**Source: 9G22090-01**				**Prepared: 08/21/19**	**Analyzed: 08/22/19**					
2,4,5-T	3.74	0.070	0.20	ug/l	4.00	ND	93	70-130	3	30	
2,4,5-TP (Silvex)	4.12	0.090	0.20	ug/l	4.00	ND	103	70-130	5	30	
2,4-D	7.52	0.070	0.40	ug/l	8.00	ND	94	70-130	2	30	
2,4-DB	21.1	0.070	2.0	ug/l	16.0	ND	132	70-130	4	30	MS-05
3,5-Dichlorobenzoic acid	10.7	0.090	1.0	ug/l	8.00	ND	133	70-130	28	30	MS-05
Acifluorfen	3.52	0.060	0.40	ug/l	4.00	ND	88	70-130	4	30	
Bentazon	14.9	0.11	2.0	ug/l	16.0	ND	93	70-130	4	30	
Dalapon	6.59	0.10	0.40	ug/l	8.00	ND	82	70-130	3	30	
DCPA	3.94	0.070	0.10	ug/l	4.00	ND	98	70-130	3	30	
Dicamba	8.49	0.12	0.60	ug/l	8.00	ND	106	70-130	8	30	
Dichloroprop	6.90	0.080	0.30	ug/l	8.00	ND	86	70-130	3	30	
Dinoseb	2.85	0.14	0.40	ug/l	4.00	ND	71	70-130	8	30	
Pentachlorophenol	3.88	0.040	0.20	ug/l	4.00	ND	97	70-130	5	30	
Picloram	3.77	0.050	0.60	ug/l	4.00	ND	94	70-130	0.01	30	
Surrogate(s)											
2,4-DCAA	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1081 - EPA 508											
Blank (W9H1081-BLK1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	ND	0.00090	0.010	ug/l							
4,4´-DDE	ND	0.0018	0.010	ug/l							
4,4´-DDT	ND	0.0013	0.010	ug/l							
Aldrin	ND	0.00090	0.010	ug/l							
alpha-BHC	ND	0.00080	0.010	ug/l							
Aroclor 1016	ND	0.022	0.10	ug/l							
Aroclor 1221	ND	0.084	0.10	ug/l							
Aroclor 1232	ND	0.064	0.10	ug/l							
Aroclor 1242	ND	0.070	0.10	ug/l							
Aroclor 1248	ND	0.049	0.10	ug/l							
Aroclor 1254	ND	0.068	0.10	ug/l							
Aroclor 1260	ND	0.020	0.10	ug/l							
beta-BHC	ND	0.0015	0.010	ug/l							
Chlordane (tech)	ND	0.066	0.10	ug/l							
Chlorothalonil	ND	0.0020	0.050	ug/l							
delta-BHC	ND	0.0010	0.010	ug/l							
Dieldrin	ND	0.0020	0.010	ug/l							
Endosulfan I	ND	0.00090	0.010	ug/l							
Endosulfan II	ND	0.00080	0.010	ug/l							
Endosulfan sulfate	ND	0.0013	0.010	ug/l							
Endrin	ND	0.0020	0.010	ug/l							
Endrin aldehyde	ND	0.0013	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l							
Heptachlor	ND	0.00090	0.010	ug/l							
Heptachlor epoxide	ND	0.0011	0.010	ug/l							
Hexachlorobenzene	ND	0.0030	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l							
Methoxychlor	ND	0.0044	0.010	ug/l							
PCBs, Total	ND	0.049	0.50	ug/l							
Propachlor	ND	0.010	0.050	ug/l							
Toxaphene	ND	0.066	0.50	ug/l							
Trifluralin	ND	0.0030	0.010	ug/l							
Surrogate(s)											
Decachlorobiphenyl	*0.102*			*ug/l*	*0.100*		*102*	*70-130*			
Tetrachloro-meta-xylene	*0.0776*			*ug/l*	*0.100*		*78*	*70-130*			
LCS (W9H1081-BS1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	0.112	0.00090	0.010	ug/l	0.100		112	77-137			
4,4´-DDE	0.107	0.0018	0.010	ug/l	0.100		107	69-129			
4,4´-DDT	0.123	0.0013	0.010	ug/l	0.100		123	82-142			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1081 - EPA 508 (Continued)											
LCS (W9H1081-BS1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
Aldrin	0.0906	0.00090	0.010	ug/l	0.100		91	56-116			
alpha-BHC	0.112	0.00080	0.010	ug/l	0.100		112	62-122			
beta-BHC	0.113	0.0015	0.010	ug/l	0.100		113	65-125			
delta-BHC	0.144	0.0010	0.010	ug/l	0.100		144	72-132			Q-08
Dieldrin	0.114	0.0020	0.010	ug/l	0.100		114	57-117			
Endosulfan I	0.111	0.00090	0.010	ug/l	0.100		111	57-117			
Endosulfan II	0.116	0.00080	0.010	ug/l	0.100		116	62-122			
Endosulfan sulfate	0.130	0.0013	0.010	ug/l	0.100		130	72-132			
Endrin	0.124	0.0020	0.010	ug/l	0.100		124	58-118			Q-08
Endrin aldehyde	0.115	0.0013	0.010	ug/l	0.100		115	58-118			
gamma-BHC (Lindane)	0.113	0.0015	0.010	ug/l	0.100		113	59-119			
Heptachlor	0.0966	0.00090	0.010	ug/l	0.100		97	68-128			
Heptachlor epoxide	0.115	0.0011	0.010	ug/l	0.100		115	57-117			
Methoxychlor	0.118	0.0044	0.010	ug/l	0.100		118	75-135			
Surrogate(s)											
Decachlorobiphenyl	*0.111*			*ug/l*	*0.100*		*111*	*70-130*			
Tetrachloro-meta-xylene	*0.0826*			*ug/l*	*0.100*		*83*	*70-130*			
LCS Dup (W9H1081-BSD1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	0.114	0.00090	0.010	ug/l	0.100		114	77-137	1	25	
4,4´-DDE	0.107	0.0018	0.010	ug/l	0.100		107	69-129	0.008	25	
4,4´-DDT	0.123	0.0013	0.010	ug/l	0.100		123	82-142	0.07	25	
Aldrin	0.0943	0.00090	0.010	ug/l	0.100		94	56-116	4	25	
alpha-BHC	0.115	0.00080	0.010	ug/l	0.100		115	62-122	3	25	
beta-BHC	0.115	0.0015	0.010	ug/l	0.100		115	65-125	1	25	
delta-BHC	0.141	0.0010	0.010	ug/l	0.100		141	72-132	2	25	Q-08
Dieldrin	0.114	0.0020	0.010	ug/l	0.100		114	57-117	0.2	25	
Endosulfan I	0.112	0.00090	0.010	ug/l	0.100		112	57-117	0.9	25	
Endosulfan II	0.116	0.00080	0.010	ug/l	0.100		116	62-122	0.05	25	
Endosulfan sulfate	0.129	0.0013	0.010	ug/l	0.100		129	72-132	0.8	25	
Endrin	0.124	0.0020	0.010	ug/l	0.100		124	58-118	0.4	25	Q-08
Endrin aldehyde	0.115	0.0013	0.010	ug/l	0.100		115	58-118	0.03	25	
gamma-BHC (Lindane)	0.115	0.0015	0.010	ug/l	0.100		115	59-119	2	25	
Heptachlor	0.0977	0.00090	0.010	ug/l	0.100		98	68-128	1	25	
Heptachlor epoxide	0.116	0.0011	0.010	ug/l	0.100		116	57-117	0.8	25	
Methoxychlor	0.123	0.0044	0.010	ug/l	0.100		123	75-135	4	25	
Surrogate(s)											
Decachlorobiphenyl	*0.110*			*ug/l*	*0.100*		*110*	*70-130*			
Tetrachloro-meta-xylene	*0.0804*			*ug/l*	*0.100*		*80*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results (Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0995 - EPA 549.2											
Blank (W9H0995-BLK1)					**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	ND	0.90	2.0	ug/l							
LCS (W9H0995-BS1)					**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	21.9	0.90	2.0	ug/l	20.0		109	70-130			
Matrix Spike (W9H0995-MS1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	8.28	0.90	2.0	ug/l	20.0	ND	41	46-122			MS-05
Matrix Spike Dup (W9H0995-MSD1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	8.75	0.90	2.0	ug/l	20.0	ND	44	46-122	6	30	MS-05

Quality Control Results (Continued)

Endothall By EPA 548.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1074 - EPA 548.1											
Blank (W9H1074-BLK1)					**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	ND	3.5	40	ug/l							
LCS (W9H1074-BS1)					**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	83.2	3.5	40	ug/l	100		83	31-117			
Matrix Spike (W9H1074-MS1)	**Source: 9H19100-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	22.6	7.0	80	ug/l	200	ND	11	0.1-109			J
Matrix Spike (W9H1074-MS2)	**Source: 9H15070-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	19.1	7.0	80	ug/l	200	ND	10	0.1-109			J
Matrix Spike Dup (W9H1074-MSD1)	**Source: 9H19100-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	12.0	7.0	80	ug/l	200	ND	6	0.1-109	61	30	J, MS-05
Matrix Spike Dup (W9H1074-MSD2)	**Source: 9H15070-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	16.7	7.0	80	ug/l	200	ND	8	0.1-109	14	30	J

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Fumigants by EPA Method 504.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1101 - EPA 504.1											
Blank (W9H1101-BLK1)					**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l							
LCS (W9H1101-BS1)					**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.104	0.0034	0.010	ug/l	0.100		104	70-130			
1,2-Dibromoethane (EDB)	0.0872	0.0054	0.020	ug/l	0.100		87	70-130			
LCS (W9H1101-BS2)					**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.00905	0.0034	0.010	ug/l	0.0100		91	70-130			J
1,2-Dibromoethane (EDB)	0.00764	0.0054	0.020	ug/l	0.0100		76	70-130			J
LCS Dup (W9H1101-BSD1)					**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.0876	0.0034	0.010	ug/l	0.100		88	70-130	17	30	
1,2-Dibromoethane (EDB)	0.0777	0.0054	0.020	ug/l	0.100		78	70-130	12	30	
Matrix Spike (W9H1101-MS1)	**Source: 9H19088-01**				**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.0888	0.0034	0.010	ug/l	0.100	0.00389	85	65-135			
1,2-Dibromoethane (EDB)	0.0833	0.0054	0.020	ug/l	0.100	ND	83	65-135			
Matrix Spike Dup (W9H1101-MSD1)	**Source: 9H19088-01**				**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.0911	0.0034	0.010	ug/l	0.100	0.00389	87	65-135	3	30	
1,2-Dibromoethane (EDB)	0.0833	0.0054	0.020	ug/l	0.100	ND	83	65-135	0.09	30	
Batch: W9H1249 - EPA 504.1											
Blank (W9H1249-BLK1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l							
LCS (W9H1249-BS1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0909	0.0034	0.010	ug/l	0.100		91	70-130			
1,2-Dibromoethane (EDB)	0.0879	0.0054	0.020	ug/l	0.100		88	70-130			
LCS (W9H1249-BS2)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.00934	0.0034	0.010	ug/l	0.0100		93	70-130			J
1,2-Dibromoethane (EDB)	0.00766	0.0054	0.020	ug/l	0.0100		77	70-130			J
LCS Dup (W9H1249-BSD1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0918	0.0034	0.010	ug/l	0.100		92	70-130	1	30	
1,2-Dibromoethane (EDB)	0.0870	0.0054	0.020	ug/l	0.100		87	70-130	1	30	
Matrix Spike (W9H1249-MS1)	**Source: 9G22090-01**				**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0847	0.0034	0.010	ug/l	0.100	ND	85	65-135			
1,2-Dibromoethane (EDB)	0.0785	0.0054	0.020	ug/l	0.100	ND	79	65-135			
Matrix Spike Dup (W9H1249-MSD1)	**Source: 9G22090-01**				**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0841	0.0034	0.010	ug/l	0.100	ND	84	65-135	0.7	30	
1,2-Dibromoethane (EDB)	0.0794	0.0054	0.020	ug/l	0.100	ND	79	65-135	1	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1014 - EPA 547											
Blank (W9H1014-BLK1)					**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	ND	1.8	5.0	ug/l							
Blank (W9H1014-BLK2)					**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	ND	1.8	5.0	ug/l							QC-2
LCS (W9H1014-BS1)					**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	24.0	1.8	5.0	ug/l	25.0		96	70-130			
LCS (W9H1014-BS2)					**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	25.1	1.8	5.0	ug/l	25.0		100	70-130			QC-2
Matrix Spike (W9H1014-MS1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	22.8	1.8	5.0	ug/l	25.0	ND	91	41-149			
Matrix Spike (W9H1014-MS2)	**Source: 9H19100-01**				**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	21.9	1.8	5.0	ug/l	25.0	ND	88	41-149			
Matrix Spike Dup (W9H1014-MSD1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	22.4	1.8	5.0	ug/l	25.0	ND	90	41-149	2	30	
Matrix Spike Dup (W9H1014-MSD2)	**Source: 9H19100-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	27.6	1.8	5.0	ug/l	25.0	ND	110	41-149	23	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1471 - EPA 552.3											
Blank (W9H1471-BLK1)					**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l							
HAA5, Total	ND	1.0	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l							
Surrogate(s)											
2-Bromobutyric acid	*9.92*			*ug/l*	*10.0*		*99*	*70-130*			
LCS (W9H1471-BS1)					**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.18	0.32	1.0	ug/l	10.0		82	70-130			
Dichloroacetic acid (dcaa)	8.68	0.37	1.0	ug/l	10.0		87	70-130			
Monobromoacetic acid (mbaa)	7.73	0.39	1.0	ug/l	10.0		77	70-130			
Monochloroacetic acid (mcaa)	7.72	0.34	2.0	ug/l	10.0		77	70-130			
Trichloroacetic acid (tcaa)	9.33	0.28	1.0	ug/l	10.0		93	70-130			
Surrogate(s)											
2-Bromobutyric acid	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike (W9H1471-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.86	0.32	1.0	ug/l	10.0	ND	89	70-130			
Dichloroacetic acid (dcaa)	9.41	0.37	1.0	ug/l	10.0	ND	94	70-130			
Monobromoacetic acid (mbaa)	8.30	0.39	1.0	ug/l	10.0	ND	83	70-130			
Monochloroacetic acid (mcaa)	8.37	0.34	2.0	ug/l	10.0	ND	84	70-130			
Trichloroacetic acid (tcaa)	10.2	0.28	1.0	ug/l	10.0	ND	102	70-130			
Surrogate(s)											
2-Bromobutyric acid	*9.87*			*ug/l*	*10.0*		*99*	*70-130*			
Matrix Spike Dup (W9H1471-MSD1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.95	0.32	1.0	ug/l	10.0	ND	90	70-130	1	30	
Dichloroacetic acid (dcaa)	9.67	0.37	1.0	ug/l	10.0	ND	97	70-130	3	30	
Monobromoacetic acid (mbaa)	8.33	0.39	1.0	ug/l	10.0	ND	83	70-130	0.3	30	
Monochloroacetic acid (mcaa)	8.16	0.34	2.0	ug/l	10.0	ND	82	70-130	3	30	
Trichloroacetic acid (tcaa)	10.4	0.28	1.0	ug/l	10.0	ND	104	70-130	1	30	
Surrogate(s)											
2-Bromobutyric acid	*10.0*			*ug/l*	*10.0*		*100*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results (Continued)

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1182 - EPA 218.6											
Blank (W9H1182-BLK1)					**Prepared & Analyzed: 08/21/19**						
Chromium 6+	ND	0.0048	0.020	ug/l							
LCS (W9H1182-BS1)					**Prepared & Analyzed: 08/21/19**						
Chromium 6+	4.90	0.0048	0.020	ug/l	5.00		98	90-110			
Matrix Spike (W9H1182-MS1)	**Source: 9H14112-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	10.3	0.0048	0.020	ug/l	5.00	5.11	104	88-112			
Matrix Spike (W9H1182-MS2)	**Source: 9H15052-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	5.21	0.0048	0.020	ug/l	5.00	0.0356	103	88-112			
Matrix Spike Dup (W9H1182-MSD1)	**Source: 9H14112-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	9.92	0.0048	0.020	ug/l	5.00	5.11	96	88-112	4	10	
Matrix Spike Dup (W9H1182-MSD2)	**Source: 9H15052-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	5.01	0.0048	0.020	ug/l	5.00	0.0356	99	88-112	4	10	

Quality Control Results (Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0993 - EPA 1625M											
Blank (W9H0993-BLK1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l							
LCS (W9H0993-BS1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	3.64	0.50	2.0	ng/l	3.00		121	50-150			
LCS Dup (W9H0993-BSD1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	3.21	0.50	2.0	ng/l	3.00		107	50-150	12	50	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0412 - EPA 1694M-APCI											
Blank (W9I0412-BLK1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	ND	0.56	1.0	ng/l							
17-b-Estradiol	ND	0.31	1.0	ng/l							
Estrone	ND	0.20	1.0	ng/l							
Progesterone	ND	0.17	1.0	ng/l							
Testosterone	ND	0.14	1.0	ng/l							
LCS (W9I0412-BS1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	10.2	0.56	1.0	ng/l	10.0		102	68-159			
17-b-Estradiol	6.50	0.31	1.0	ng/l	10.0		65	65-146			
Estrone	11.4	0.20	1.0	ng/l	10.0		114	59-141			
Progesterone	9.68	0.17	1.0	ng/l	10.0		97	58-154			
Testosterone	10.2	0.14	1.0	ng/l	10.0		102	60-172			
LCS Dup (W9I0412-BSD1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	13.3	0.56	1.0	ng/l	10.0		133	68-159	26	30	
17-b-Estradiol	21.6	0.31	1.0	ng/l	10.0		216	65-146	107	30	BS-04
Estrone	16.7	0.20	1.0	ng/l	10.0		167	59-141	38	30	Q-08
Progesterone	8.32	0.17	1.0	ng/l	10.0		83	58-154	15	30	
Testosterone	3.21	0.14	1.0	ng/l	10.0		32	60-172	104	30	BS-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0414 - EPA 1694M-ESI-											
Blank (W9I0414-BLK1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	1.19	0.27	1.0	ng/l							B-06
Diclofenac	ND	0.26	1.0	ng/l							
Gemfibrozil	ND	0.080	1.0	ng/l							
Ibuprofen	ND	0.39	1.0	ng/l							
Iopromide	ND	1.8	5.0	ng/l							
Naproxen	ND	0.25	1.0	ng/l							
Salicylic Acid	33.4	0.86	50	ng/l							J
Triclosan	ND	1.2	2.0	ng/l							
LCS (W9I0414-BS1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	10.5	0.27	1.0	ng/l	10.0		105	53-168			
Diclofenac	14.5	0.26	1.0	ng/l	10.0		145	37-218			
Gemfibrozil	9.78	0.080	1.0	ng/l	10.0		98	76-122			
Ibuprofen	14.4	0.39	1.0	ng/l	10.0		144	67-139			BS-H
Iopromide	53.8	1.8	5.0	ng/l	50.0		108	0.1-163			
Naproxen	15.4	0.25	1.0	ng/l	10.0		154	64-138			Q-08
Salicylic Acid	126	0.86	50	ng/l	100		126	56-229			
Triclosan	11.1	1.2	2.0	ng/l	10.0		111	76-139			
LCS Dup (W9I0414-BSD1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	15.2	0.27	1.0	ng/l	10.0		152	53-168	37	30	Q-12
Diclofenac	16.0	0.26	1.0	ng/l	10.0		160	37-218	10	30	
Gemfibrozil	10.5	0.080	1.0	ng/l	10.0		105	76-122	7	30	
Ibuprofen	14.8	0.39	1.0	ng/l	10.0		148	67-139	3	30	BS-H
Iopromide	62.6	1.8	5.0	ng/l	50.0		125	0.1-163	15	30	
Naproxen	16.1	0.25	1.0	ng/l	10.0		161	64-138	4	30	Q-08
Salicylic Acid	135	0.86	50	ng/l	100		135	56-229	7	30	
Triclosan	10.8	1.2	2.0	ng/l	10.0		108	76-139	3	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0410 - EPA 1694M-ESI+											
Blank (W9I0410-BLK1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	ND	0.31	1.0	ng/l							
DEET	0.359	0.060	1.0	ng/l							J
Sucralose	ND	5.0	5.0	ng/l							
LCS (W9I0410-BS1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	12.9	0.31	1.0	ng/l	10.0		129	55-152			
DEET	9.59	0.060	1.0	ng/l	10.0		96	45-135			
Sucralose	90.9	5.0	5.0	ng/l	50.0		182	50-150			BS-H
LCS Dup (W9I0410-BSD1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	9.64	0.31	1.0	ng/l	10.0		96	55-152	29	30	
DEET	12.0	0.060	1.0	ng/l	10.0		120	45-135	22	30	
Sucralose	154	5.0	5.0	ng/l	50.0		308	50-150	52	30	BS-H

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2											
Blank (W9H1437-BLK1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	ND	0.022	0.10	ug/l							
Atrazine	ND	0.034	0.10	ug/l							
Benzo (a) pyrene	ND	0.070	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l							
Bromacil	ND	0.038	0.50	ug/l							
Butachlor	ND	0.017	0.10	ug/l							
Captan	ND	0.86	1.0	ug/l							
Chlorpropham	ND	0.010	0.10	ug/l							
Cyanazine	ND	0.024	0.10	ug/l							
Diazinon	ND	0.096	0.10	ug/l							
Dimethoate	ND	0.024	0.20	ug/l							
Diphenamid	ND	0.024	0.10	ug/l							
Disulfoton	ND	0.031	0.10	ug/l							
EPTC	ND	0.017	0.10	ug/l							
Metolachlor	ND	0.012	0.10	ug/l							
Metribuzin	ND	0.015	0.10	ug/l							
Molinate	ND	0.039	0.10	ug/l							
Prometon	ND	0.024	0.10	ug/l							
Prometryn	ND	0.036	0.10	ug/l							
Simazine	ND	0.015	0.10	ug/l							
Terbacil	ND	0.55	2.0	ug/l							
Thiobencarb	ND	0.025	0.10	ug/l							
Trithion	ND	0.012	0.10	ug/l							
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.73*			*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.14*			*ug/l*	*5.00*		*83*	*50-120*			
Triphenyl phosphate	*3.96*			*ug/l*	*5.00*		*79*	*70-130*			
LCS (W9H1437-BS1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	5.64	0.022	0.10	ug/l	5.00		113	70-130			
Atrazine	5.99	0.034	0.10	ug/l	5.00		120	70-130			
Benzo (a) pyrene	5.18	0.070	0.10	ug/l	5.00		104	60-130			
Bis(2-ethylhexyl)adipate	6.00	0.10	2.0	ug/l	5.00		120	70-130			
Bis(2-ethylhexyl)phthalate	5.78	1.1	2.0	ug/l	5.00		116	70-130			
Bromacil	5.57	0.038	0.50	ug/l	5.00		111	70-130			
Butachlor	5.97	0.017	0.10	ug/l	5.00		119	70-130			
Captan	7.79	0.86	1.0	ug/l	5.00		156	70-130			Q-08
Chlorpropham	6.08	0.010	0.10	ug/l	5.00		122	70-130			
Cyanazine	5.87	0.024	0.10	ug/l	5.00		117	70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2 (Continued)											
LCS (W9H1437-BS1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Diazinon	4.52	0.096	0.10	ug/l	5.00		90	50-120			
Dimethoate	5.73	0.024	0.20	ug/l	5.00		115	50-120			
Diphenamid	5.60	0.024	0.10	ug/l	5.00		112	70-130			
Disulfoton	4.18	0.031	0.10	ug/l	5.00		84	50-120			
EPTC	5.07	0.017	0.10	ug/l	5.00		101	70-130			
Metolachlor	5.81	0.012	0.10	ug/l	5.00		116	60-130			
Metribuzin	5.51	0.015	0.10	ug/l	5.00		110	50-120			
Molinate	5.36	0.039	0.10	ug/l	5.00		107	70-130			
Prometon	1.12	0.024	0.10	ug/l	5.00		22	15-120			
Prometryn	4.04	0.036	0.10	ug/l	5.00		81	30-120			
Simazine	4.89	0.015	0.10	ug/l	5.00		98	60-130			
Terbacil	6.52	0.55	2.0	ug/l	5.00		130	70-130			
Thiobencarb	4.96	0.025	0.10	ug/l	5.00		99	70-130			
Trithion	5.78	0.012	0.10	ug/l	5.00		116	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.56*			*ug/l*	*5.00*		*91*	*70-130*			
Perylene-d12	*4.96*			*ug/l*	*5.00*		*99*	*50-120*			
Triphenyl phosphate	*6.16*			*ug/l*	*5.00*		*123*	*70-130*			
Matrix Spike (W9H1437-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	5.65	0.022	0.10	ug/l	5.00	ND	113	70-130			
Atrazine	6.23	0.034	0.10	ug/l	5.00	ND	125	70-130			
Benzo (a) pyrene	5.57	0.070	0.10	ug/l	5.00	ND	111	60-130			
Bis(2-ethylhexyl)adipate	6.35	0.10	2.0	ug/l	5.00	ND	127	70-130			
Bis(2-ethylhexyl)phthalate	6.05	1.1	2.0	ug/l	5.00	ND	121	70-130			
Bromacil	6.45	0.038	0.50	ug/l	5.00	ND	129	70-130			
Butachlor	5.56	0.017	0.10	ug/l	5.00	ND	111	70-130			
Captan	7.91	0.86	1.0	ug/l	5.00	ND	158	70-130			Q-08
Chlorpropham	6.84	0.010	0.10	ug/l	5.00	ND	137	70-130			MS-05
Cyanazine	5.69	0.024	0.10	ug/l	5.00	ND	114	70-130			
Diazinon	4.96	0.096	0.10	ug/l	5.00	ND	99	50-120			
Dimethoate	6.59	0.024	0.20	ug/l	5.00	ND	132	50-120			MS-05
Diphenamid	5.74	0.024	0.10	ug/l	5.00	ND	115	70-130			
Disulfoton	4.79	0.031	0.10	ug/l	5.00	ND	96	50-120			
EPTC	5.16	0.017	0.10	ug/l	5.00	ND	103	70-130			
Metolachlor	6.04	0.012	0.10	ug/l	5.00	ND	121	60-130			
Metribuzin	6.16	0.015	0.10	ug/l	5.00	ND	123	50-120			MS-05
Molinate	5.63	0.039	0.10	ug/l	5.00	ND	113	70-130			
Prometon	1.77	0.024	0.10	ug/l	5.00	ND	35	15-120			
Prometryn	3.86	0.036	0.10	ug/l	5.00	ND	77	30-120			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2 (Continued)											
Matrix Spike (W9H1437-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/06/19**					
Simazine	5.19	0.015	0.10	ug/l	5.00	ND	104	60-130			
Terbacil	7.62	0.55	2.0	ug/l	5.00	ND	152	70-130			MS-05
Thiobencarb	5.16	0.025	0.10	ug/l	5.00	ND	103	70-130			
Trithion	5.44	0.012	0.10	ug/l	5.00	ND	109	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.84*			*ug/l*	*5.00*		*97*	*70-130*			
Perylene-d12	*4.99*			*ug/l*	*5.00*		*100*	*50-120*			
Triphenyl phosphate	*6.49*			*ug/l*	*5.00*		*130*	*70-130*			
Matrix Spike Dup (W9H1437-MSD1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/06/19**					
Alachlor	5.70	0.022	0.10	ug/l	5.00	ND	114	70-130	1	30	
Atrazine	5.59	0.034	0.10	ug/l	5.00	ND	112	70-130	11	30	
Benzo (a) pyrene	5.65	0.070	0.10	ug/l	5.00	ND	113	60-130	1	30	
Bis(2-ethylhexyl)adipate	6.28	0.10	2.0	ug/l	5.00	ND	126	70-130	1	30	
Bis(2-ethylhexyl)phthalate	5.91	1.1	2.0	ug/l	5.00	ND	118	70-130	2	30	
Bromacil	6.55	0.038	0.50	ug/l	5.00	ND	131	70-130	2	30	MS-05
Butachlor	5.54	0.017	0.10	ug/l	5.00	ND	111	70-130	0.3	30	
Captan	7.42	0.86	1.0	ug/l	5.00	ND	148	70-130	6	30	Q-08
Chlorpropham	6.96	0.010	0.10	ug/l	5.00	ND	139	70-130	2	30	MS-05
Cyanazine	5.39	0.024	0.10	ug/l	5.00	ND	108	70-130	5	30	
Diazinon	5.12	0.096	0.10	ug/l	5.00	ND	102	50-120	3	30	
Dimethoate	6.25	0.024	0.20	ug/l	5.00	ND	125	50-120	5	30	MS-05
Diphenamid	5.49	0.024	0.10	ug/l	5.00	ND	110	70-130	5	30	
Disulfoton	5.02	0.031	0.10	ug/l	5.00	ND	100	50-120	5	30	
EPTC	5.35	0.017	0.10	ug/l	5.00	ND	107	70-130	4	30	
Metolachlor	5.78	0.012	0.10	ug/l	5.00	ND	116	60-130	4	30	
Metribuzin	6.08	0.015	0.10	ug/l	5.00	ND	122	50-120	1	30	MS-05
Molinate	5.68	0.039	0.10	ug/l	5.00	ND	114	70-130	0.9	30	
Prometon	1.95	0.024	0.10	ug/l	5.00	ND	39	15-120	10	30	
Prometryn	4.18	0.036	0.10	ug/l	5.00	ND	84	30-120	8	30	
Simazine	5.09	0.015	0.10	ug/l	5.00	ND	102	60-130	2	30	
Terbacil	7.52	0.55	2.0	ug/l	5.00	ND	150	70-130	1	30	MS-05
Thiobencarb	5.38	0.025	0.10	ug/l	5.00	ND	108	70-130	4	30	
Trithion	5.34	0.012	0.10	ug/l	5.00	ND	107	70-130	2	30	
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.97*			*ug/l*	*5.00*		*99*	*70-130*			
Perylene-d12	*5.14*			*ug/l*	*5.00*		*103*	*50-120*			
Triphenyl phosphate	*6.18*			*ug/l*	*5.00*		*124*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
B-06	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch.
BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
BS-H	The recovery of this analyte in the BS/LCS was over the control limit. Sample result is suspect.
E-01	The concentration indicated for this analyte is an estimated value above the calibration range.
I-05	Low internal standard recovery possibly due to matrix interference. The result is suspect.
J	Estimated conc. detected <MRL and >MDL.
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
M-04	Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
% Rec	Percent Recovery
Dil	Dilution
dry	Sample results reported on a dry weight basis
MDA	Minimum Detectable Activity
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
NR	Not Reportable
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

9H15076

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

Weck Labs - Sub
14859 Clark Ave.
Hacienda Heights, CA
91745

ATTN: Regina Giancola
PO# 1038423

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	1625CM	
Water	08/13/19 13:30	LAMW-5S (418266-001)	1694M_OUT	
Water	08/13/19 13:30	LAMW-5S (418266-001)	218.6_OUT	
Water	08/13/19 13:30	LAMW-5S (418266-001)	300.1_OUT	
Water	08/13/19 13:30	LAMW-5S (418266-001)	504.1_Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	508 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	515.3 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	525.2 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	531.1 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	547 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	548.1 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	549.2 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 13:30	LAMW-5S (418266-001)	625 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1625CM	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1694M_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	218.6_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	300.1_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	504.1_Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	508 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	515.3 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	525.2 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	531.1 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	547 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	548.1 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	549.2 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	625 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1625CM	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1694M_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	218.6_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	300.1_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	504.1_Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	508 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	515.3 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	525.2 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	531.1 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	547 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	548.1 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	549.2 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	625 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	1625CM	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	1694M_OUT	

9H15070

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	218.6_OUT	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	300.1_OUT	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	504.1_Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	508 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	515.3 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	525.2 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	531.1 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	547 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	548.1 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	549.2 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	625 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1625CM	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1694M_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	218.6_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	300.1_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	504.1_Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	508 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	515.3 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	525.2 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	531.1 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	547 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	548.1 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	549.2 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	625 Out	

Note:
Standard TAT

See attached list for required RLs

Relinquished By	Received By:
Date/Time 8/15/19 1223	Date/Time 8/15/19 12:23
Date/Time 8-15-19 1408	Date/Time 8/15/19 1409
4.8° LAF 8/15	8-15-19 4.8° T-022

9H19070

Compound	Method	New RL	Units	
Bromate	EPA 300.1	5	ug/L	Weck
Chlorite	EPA 300.1	10	ug/L	Weck
DBCP	EPA 504.1	0.01	ug/L	Weck
EDB	EPA 504.1	0.02	ug/L	Weck
Endrin	EPA 508	0.01	ug/L	Weck
Heptachlor	EPA 508	0.01	ug/L	Weck
Heptachlor Epoxide	EPA 508	0.01	ug/L	Weck
Hexachlororbenzene	EPA 508	0.05	ug/L	Weck
Hexachlorocyclopentadiene	EPA 508	0.05	ug/L	Weck
Lindane	EPA 508	0.01	ug/L	Weck
Methoxychlor	EPA 508	0.01	ug/L	Weck
PCBs	EPA 508	0.5	ug/L	Weck
PCBs (1016,1221,1232,1242,1248,1254,1260)	EPA 508	0.5	ug/L	Weck
Toxaphene	EPA 508	0.5	ug/L	Weck
Aldrin	EPA 508	0.01	ug/L	Weck
a-BHC	EPA 508	0.01	ug/L	Weck
b-BHC	EPA 508	0.01	ug/L	Weck
g-BHC	EPA 508	0.01	ug/L	Weck
d-BHC	EPA 508	0.01	ug/L	Weck
4,4'-DDT	EPA 508	0.01	ug/L	Weck
4,4'-DDE	EPA 508	0.01	ug/L	Weck
4-4'-DDD	EPA 508	0.01	ug/L	Weck
Chlordane	EPA 508	0.1	ug/L	Weck
Dieldrin	EPA 508	0.01	ug/L	Weck
a-Endosulfan	EPA 508	0.01	ug/L	Weck
b-Endosulfan	EPA 508	0.01	ug/L	Weck
Endosulfan Sulfate	EPA 508	0.01	ug/L	Weck
Endrin Aldehyde	EPA 508	0.01	ug/L	Weck
Bentazon	EPA 515.3	2	ug/L	Weck
2,4-D	EPA 515.3	0.4	ug/L	Weck
Dalapon	EPA 515.3	0.4	ug/L	Weck
Dinoseb	EPA 515.3	0.4	ug/L	Weck
Picloram	EPA 515.3	0.6	ug/L	Weck
2,4,5-TP (Silvex)	EPA 515.3	0.2	ug/L	Weck
Alachlor	EPA 525.2	0.1	ug/L	Weck
Atrazine	EPA 525.2	0.1	ug/L	Weck
Molinate	EPA 525.2	0.1	ug/L	Weck
Simazine	EPA 525.2	0.1	ug/L	Weck
Thiobencarb	EPA 525.2	0.1	ug/L	Weck
Benzo(a)pyrene	EPA 525.2	0.1	ug/L	Weck
Di(2-ethylhexyl)adipate	EPA 525.2	2	ug/L	Weck
Di(2-ethylhexyl)phthalate	EPA 525.2	2	ug/L	Weck
Pentachlorophenol	EPA 531.1	5	ug/L	Weck
Carbofuran	EPA 531.1	2	ug/L	Weck
Oxamyl	EPA 531.1	2	ug/L	Weck
Glyphosate	EPA 547	5	ug/L	Weck
Diquat	EPA 548.1	2	ug/L	Weck
Endothall	EPA 549	40	ug/L	Weck
Monochloroacetic acid	EPA 552.2	2	ug/L	Weck
Dichloroacetic acid	EPA 552.2	1	ug/L	Weck

9H15070

Trichloroacetic acid	EPA 552.2	1	ug/L	Weck
Monobromoacetic acid	EPA 552.2	1	ug/L	Weck
Dibromoacetic acid	EPA 552.2	1	ug/L	Weck
2-Chlorophenol	EPA 625	1	ug/L	Weck
2,4-Dichlorophenol	EPA 625	1	ug/L	Weck
2,4-Dimethylphenol	EPA 625	1	ug/L	Weck
4,6-Dinitro-2-Methylphenol	EPA 625	1	ug/L	Weck
2,4-Dinitrophenol	EPA 625	5	ug/L	Weck
2-Nitrophenol	EPA 625	1	ug/L	Weck
4-Nitrophenol	EPA 625	2	ug/L	Weck
4-Chloro-3-Methylphenol	EPA 625	1	ug/L	Weck
Pentachlorophenol	EPA 625	1	ug/L	Weck
Phenol	EPA 625	1	ug/L	Weck
2,4,6-Trichlorophenol	EPA 625	1	ug/L	Weck
Acenapthene	EPA 625	1	ug/L	Weck
Acenaphthylene	EPA 625	1	ug/L	Weck
Anthracene	EPA 625	1	ug/L	Weck
Benzidine	EPA 625	10	ug/L	Weck
Benzo(a)anthracene	EPA 625	1	ug/L	Weck
Benzo(b)fluoranthene	EPA 625	1	ug/L	Weck
Benzo(ghi)perylene	EPA 625	1	ug/L	Weck
Benzo(k)fluoranthene	EPA 625	1	ug/L	Weck
Bis(2-chloroethoxy) Methane	EPA 625	1	ug/L	Weck
Bis(2-chloroethyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-chloroisopropyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-ethylhexyl) Phthalate	EPA 625	2	ug/L	Weck
4-Bromophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Butylbenzyl Phthalate	EPA 625	1	ug/L	Weck
Fluoranthene	EPA 625	1	ug/L	Weck
Fluorene	EPA 625	1	ug/L	Weck
Hexachlorobutadiene	EPA 625	1	ug/L	Weck
Hexachloroethane	EPA 625	1	ug/L	Weck
Indeno(1,2,3-cd) Pyrene	EPA 625	1	ug/L	Weck
Isophorone	EPA 625	1	ug/L	Weck
Naphthalene	EPA 625	1	ug/L	Weck
Nitrobenzene	EPA 625	1	ug/L	Weck
N-nitrosodi-N-propylamine	EPA 625	1	ug/L	Weck
N-Nitrosodiphenylamine	EPA 625	1	ug/L	Weck
Phenanthrene	EPA 625	1	ug/L	Weck
Pyrene	EPA 625	1	ug/L	Weck
2-Chloronaphthalene	EPA 625	1	ug/L	Weck
4-Chlorophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Chrysene	EPA 625	1	ug/L	Weck
Dibenzo(ah)anthracene	EPA 625	1	ug/L	Weck
3-3'-Dichlorobenzidine	EPA 625	1	ug/L	Weck
Diethyl Phthalate	EPA 625	1	ug/L	Weck
Dimethyl Phthalate	EPA 625	1	ug/L	Weck
Di-n-butyl Phthalate	EPA 625	1	ug/L	Weck
2,4-Dinitrotoluene	EPA 625	1	ug/L	Weck
2,6-Dinitrotoluene	EPA 625	1	ug/L	Weck
Di-n-octyl Phthalate	EPA 625	1	ug/L	Weck
1,2-Diphenylhydrazine (Azobenzene)	EPA 625	1	ug/L	Weck

Compound	Method	New RL	Units	
Bromate	EPA 300.1	5	ug/L	Weck
Chlorite	EPA 300.1	10	ug/L	Weck
DBCP	EPA 504.1	0.01	ug/L	Weck
EDB	EPA 504.1	0.02	ug/L	Weck
Endrin	EPA 508	0.01	ug/L	Weck
Heptachlor	EPA 508	0.01	ug/L	Weck
Heptachlor Epoxide	EPA 508	0.01	ug/L	Weck
Hexachlororbenzene	EPA 508	0.05	ug/L	Weck
Hexachlorocyclopentadiene	EPA 508	0.05	ug/L	Weck
Lindane	EPA 508	0.01	ug/L	Weck
Methoxychlor	EPA 508	0.01	ug/L	Weck
PCBs	EPA 508	0.5	ug/L	Weck
PCBs (1016,1221,1232,1242,1248,1254,1260)	EPA 508	0.5	ug/L	Weck
Toxaphene	EPA 508	0.5	ug/L	Weck
Aldrin	EPA 508	0.01	ug/L	Weck
a-BHC	EPA 508	0.01	ug/L	Weck
b-BHC	EPA 508	0.01	ug/L	Weck
g-BHC	EPA 508	0.01	ug/L	Weck
d-BHC	EPA 508	0.01	ug/L	Weck
4,4'-DDT	EPA 508	0.01	ug/L	Weck
4,4'-DDE	EPA 508	0.01	ug/L	Weck
4-4'-DDD	EPA 508	0.01	ug/L	Weck
Chlordane	EPA 508	0.1	ug/L	Weck
Dieldrin	EPA 508	0.01	ug/L	Weck
a-Endosulfan	EPA 508	0.01	ug/L	Weck
b-Endosulfan	EPA 508	0.01	ug/L	Weck
Endosulfan Sulfate	EPA 508	0.01	ug/L	Weck
Endrin Aldehyde	EPA 508	0.01	ug/L	Weck
Bentazon	EPA 515.3	2	ug/L	Weck
2,4-D	EPA 515.3	0.4	ug/L	Weck
Dalapon	EPA 515.3	0.4	ug/L	Weck
Dinoseb	EPA 515.3	0.4	ug/L	Weck
Picloram	EPA 515.3	0.6	ug/L	Weck
Pentachlorophenol	EPA 515.3	0.2	ug/L	Weck
2,4,5-TP (Silvex)	EPA 515.3	0.2	ug/L	Weck
Alachlor	EPA 525.2	0.1	ug/L	Weck
Atrazine	EPA 525.2	0.1	ug/L	Weck
Molinate	EPA 525.2	0.1	ug/L	Weck
Simazine	EPA 525.2	0.1	ug/L	Weck
Thiobencarb	EPA 525.2	0.1	ug/L	Weck
Benzo(a)pyrene	EPA 525.2	0.1	ug/L	Weck
Di(2-ethylhexyl)adipate	EPA 525.2	2	ug/L	Weck
Di(2-ethylhexyl)phthalate	EPA 525.2	2	ug/L	Weck
Carbofuran	EPA 531.1	2	ug/L	Weck
Oxamyl	EPA 531.1	2	ug/L	Weck
Glyphosate	EPA 547	5	ug/L	Weck
Endothall	EPA 548.1	40	ug/L	Weck
Diquat	EPA 549.2	2	ug/L	Weck
Monochloroacetic acid	EPA 552.2	2	ug/L	Weck
Dichloroacetic acid	EPA 552.2	1	ug/L	Weck

* 9H2404 for reference

Trichloroacetic acid	EPA 552.2	1	ug/L	Weck
Monobromoacetic acid	EPA 552.2	1	ug/L	Weck
Dibromoacetic acid	EPA 552.2	1	ug/L	Weck
2-Chlorophenol	EPA 625	1	ug/L	Weck
2,4-Dichlorophenol	EPA 625	1	ug/L	Weck
2,4-Dimethylphenol	EPA 625	1	ug/L	Weck
4,6-Dinitro-2-Methylphenol	EPA 625	1	ug/L	Weck
2,4-Dinitrophenol	EPA 625	5	ug/L	Weck
2-Nitrophenol	EPA 625	1	ug/L	Weck
4-Nitrophenol	EPA 625	2	ug/L	Weck
4-Chloro-3-Methylphenol	EPA 625	1	ug/L	Weck
Phenol	EPA 625	1	ug/L	Weck
2,4,6-Trichlorophenol	EPA 625	1	ug/L	Weck
Acenapthene	EPA 625	1	ug/L	Weck
Acenaphthylene	EPA 625	1	ug/L	Weck
Anthracene	EPA 625	1	ug/L	Weck
Benzidine	EPA 625	10	ug/L	Weck
Benzo(a)anthracene	EPA 625	1	ug/L	Weck
Benzo(b)fluoranthene	EPA 625	1	ug/L	Weck
Benzo(ghi)perylene	EPA 625	1	ug/L	Weck
Benzo(k)fluoranthene	EPA 625	1	ug/L	Weck
Bis(2-chloroethoxy) Methane	EPA 625	1	ug/L	Weck
Bis(2-chloroethyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-chloroisopropyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-ethylhexyl) Phthalate	EPA 625	2	ug/L	Weck
4-Bromophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Butylbenzyl Phthalate	EPA 625	1	ug/L	Weck
Fluoranthene	EPA 625	1	ug/L	Weck
Fluorene	EPA 625	1	ug/L	Weck
Hexachlorobutadiene	EPA 625	1	ug/L	Weck
Hexachloroethane	EPA 625	1	ug/L	Weck
Indeno(1,2,3-cd) Pyrene	EPA 625	1	ug/L	Weck
Isophorone	EPA 625	1	ug/L	Weck
Naphthalene	EPA 625	1	ug/L	Weck
Nitrobenzene	EPA 625	1	ug/L	Weck
N-nitrosodi-N-propylamine	EPA 625	1	ug/L	Weck
N-Nitrosodiphenylamine	EPA 625	1	ug/L	Weck
Phenanthrene	EPA 625	1	ug/L	Weck
Pyrene	EPA 625	1	ug/L	Weck
2-Chloronaphthalene	EPA 625	1	ug/L	Weck
4-Chlorophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Chrysene	EPA 625	1	ug/L	Weck
Dibenzo(ah)anthracene	EPA 625	1	ug/L	Weck
3-3'-Dichlorobenzidine	EPA 625	1	ug/L	Weck
Diethyl Phthalate	EPA 625	1	ug/L	Weck
Dimethyl Phthalate	EPA 625	1	ug/L	Weck
Di-n-butyl Phthalate	EPA 625	1	ug/L	Weck
2,4-Dinitrotoluene	EPA 625	1	ug/L	Weck
2,6-Dinitrotoluene	EPA 625	1	ug/L	Weck
Di-n-octyl Phthalate	EPA 625	1	ug/L	Weck
1,2-Diphenylhydrazine (Azobenzene)	EPA 625	1	ug/L	Weck
17B-Estradiol	EPA 1694M-APCI	1	ng/L	
Caffeine	EPA 1694M-ESI+	1	ng/L	
Triclosan	EPA 1694M-ESI-	2	ng/L	
DEET	EPA 1694M-ESI+	1	ng/L	
Sucralose	EPA 1694M-ESI+	5	ng/L	
NDMA	EPA 1625M	2	ng/L	
Chromium (VI)	EPA 218.6	0.02	ug/L	Weck

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 10, 2019

Ms. Patty Mata
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

RE: Project: 418266
Pace Project No.: 30320346

Dear Ms. Mata:
Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 418266
Pace Project No.: 30320346

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 418266
Pace Project No.: 30320346

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30320346001	**418266-001**	Water	08/13/19 13:30	08/17/19 10:10
30320346002	**418266-002**	Water	08/13/19 08:30	08/17/19 10:10
30320346003	**418266-003**	Water	08/13/19 13:00	08/17/19 10:10
30320346004	**418266-004**	Water	08/13/19 11:45	08/17/19 10:10
30320346005	**418266-005**	Water	08/13/19 11:15	08/17/19 10:10

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: 418266
Pace Project No.: 30320346

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30320346001	**418266-001**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320346002	**418266-002**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320346003	**418266-003**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320346004	**418266-004**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320346005	**418266-005**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

Sample: 418266-001 **Lab ID: 30320346001** Collected: 08/13/19 13:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**0.275 ± 0.943 (1.84) C:NA T:NA**	pCi/L	09/02/19 12:37	12587-46-1	
Gross Beta	EPA 900.0	**2.56 ± 1.09 (1.67) C:NA T:NA**	pCi/L	09/02/19 12:37	12587-47-2	
Radium-226	EPA 903.1	**-0.129 ± 0.439 (0.970) C:NA T:86%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**0.409 ± 0.412 (0.852) C:62% T:98%**	pCi/L	09/05/19 13:18	15262-20-1	
Strontium-90	ASTM D5811-95	**0.640 ± 1.04 (1.92) C:100% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**-87.4 ± 134 (244) C:NA T:NA**	pCi/L	09/04/19 08:18	10028-17-8	
Total Uranium	ASTM D5174-97	**0.261 ± 0.009 (0.262) C:NA T:NA**	ug/L	09/09/19 16:19	7440-61-1	

Sample: 418266-002 **Lab ID: 30320346002** Collected: 08/13/19 08:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5.0 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**52.3 ± 12.0 (5.18) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**14.8 ± 4.18 (4.30) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.691 ± 0.418 (0.458) C:NA T:97%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**2.04 ± 1.33 (2.53) C:26% T:80%**	pCi/L	09/05/19 13:22	15262-20-1	
Strontium-90	ASTM D5811-95	**0.304 ± 0.863 (1.62) C:103% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**-133 ± 132 (244) C:NA T:NA**	pCi/L	09/04/19 09:20	10028-17-8	
Total Uranium	ASTM D5174-97	**49.8 ± 1.472 (2.620) C:NA T:NA**	ug/L	09/09/19 16:36	7440-61-1	

Sample: 418266-003 **Lab ID: 30320346003** Collected: 08/13/19 13:00 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**8.82 ± 4.49 (6.75) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**4.73 ± 2.17 (3.28) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.849 ± 0.494 (0.526) C:NA T:89%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**1.49 ± 0.644 (1.06) C:66% T:73%**	pCi/L	09/05/19 13:22	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

Sample: 418266-003 **Lab ID: 30320346003** Collected: 08/13/19 13:00 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Strontium-90	ASTM D5811-95	**-0.700 ± 1.09 (2.12) C:95% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**-57.5 ± 135 (244) C:NA T:NA**	pCi/L	09/04/19 10:21	10028-17-8	
Total Uranium	ASTM D5174-97	**3.14 ± 0.104 (0.262) C:NA T:NA**	ug/L	09/09/19 16:23	7440-61-1	

Sample: 418266-004 **Lab ID: 30320346004** Collected: 08/13/19 11:45 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**68.2 ± 21.4 (20.8) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**20.0 ± 10.8 (16.7) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.446 ± 0.374 (0.535) C:NA T:101%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**0.673 ± 0.484 (0.944) C:64% T:86%**	pCi/L	09/05/19 13:22	15262-20-1	
Strontium-90	ASTM D5811-95	**0.460 ± 1.93 (3.65) C:100% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**7.49 ± 139 (243) C:NA T:NA**	pCi/L	09/04/19 11:22	10028-17-8	
Total Uranium	ASTM D5174-97	**84.7 ± 2.498 (2.620) C:NA T:NA**	ug/L	09/09/19 16:38	7440-61-1	

Sample: 418266-005 **Lab ID: 30320346005** Collected: 08/13/19 11:15 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**3.21 ± 4.10 (7.43) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**3.88 ± 2.63 (4.43) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.750 ± 0.457 (0.538) C:NA T:93%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**0.878 ± 0.536 (1.02) C:64% T:86%**	pCi/L	09/05/19 13:22	15262-20-1	
Strontium-90	ASTM D5811-95	**0.640 ± 1.27 (2.36) C:92% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**-32.4 ± 137 (243) C:NA T:NA**	pCi/L	09/04/19 12:24	10028-17-8	
Total Uranium	ASTM D5174-97	**6.39 ± 0.189 (0.262) C:NA T:NA**	ug/L	09/09/19 16:28	7440-61-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 357929 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1738193 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.188 ± 0.320 (0.565) C:NA T:83%	pCi/L	09/06/19 10:59	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 357932 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1738196 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.525 ± 0.424 (0.840) C:66% T:83%	pCi/L	09/05/19 13:18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 359135 Analysis Method: EPA 906.0
QC Batch Method: EPA 906.0 Analysis Description: 906.0 Tritium
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1743532 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-92.1 ± 133 (243) C:NA T:NA	pCi/L	09/04/19 07:16	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 358194 Analysis Method: ASTM D5174-97
QC Batch Method: ASTM D5174-97 Analysis Description: D5174.97 Total Uranium KPA
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1739387 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.018 ± 0.001 (0.262) C:NA T:NA	ug/L	09/03/19 15:52	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 358208 Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0 Analysis Description: 900.0 Gross Alpha/Beta
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1739413 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.267 ± 0.793 (1.92) C:NA T:NA	pCi/L	09/03/19 08:30	
Gross Beta	0.265 ± 0.820 (1.92) C:NA T:NA	pCi/L	09/03/19 08:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 358820 Analysis Method: ASTM D5811-95
QC Batch Method: ASTM D5811-95 Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1742231 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	-0.184 ± 0.323 (0.878) C:106% T:NA	pCi/L	09/03/19 08:47	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 418266
Pace Project No.: 30320346

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

WO# : 30320346

30320346

MONTROSE

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Subcontract Laboratory:

Pace PA - Sub
1638 Roseytown Rd., Suite
Greensburg, PA 15601
724-850-5600
ATTN: Jacquelyn Collins
PO# 1038433

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	900.0 Gross Alpha and Beta	
Water	08/13/19 13:30	LAMW-5S (418266-001)	903.1 Radiuum-226	
Water	08/13/19 13:30	LAMW-5S (418266-001)	904.0 Radium-228	001
Water	08/13/19 13:30	LAMW-5S (418266-001)	905.0 Strontium-90	
Water	08/13/19 13:30	LAMW-5S (418266-001)	906.0 Tritium	
Water	08/13/19 13:30	LAMW-5S (418266-001)	908.0 Uranium	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	900.0 Gross Alpha and Beta	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	903.1 Radiuum-226	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	904.0 Radium-228	002
Water	08/13/19 08:30	SMBRP-9 (418266-002)	905.0 Strontium-90	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	906.0 Tritium	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	908.0 Uranium	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	900.0 Gross Alpha and Beta	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	903.1 Radiuum-226	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	904.0 Radium-228	003
Water	08/13/19 13:00	SMBRP-11 (418266-003)	905.0 Strontium-90	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	906.0 Tritium	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	908.0 Uranium	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	900.0 Gross Alpha and Beta	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	903.1 Radiuum-226	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	904.0 Radium-228	004
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	905.0 Strontium-90	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	906.0 Tritium	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	908.0 Uranium	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	900.0 Gross Alpha and Beta	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	903.1 Radiuum-226	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	904.0 Radium-228	005
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	905.0 Strontium-90	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	906.0 Tritium	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	908.0 Uranium	

Note:
Standard TAT

Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Relinquished By	Received By:
Date/Time 8/15/19 1540	Date/Time 8/17/19 10:10
Date/Time	Date/Time

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Project # _____ # 30320346

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label MG

Tracking #: 7760 0071-5500-4807-5400 LIMS Login MG

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used NA Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp — °C Correction Factor: — °C Final Temp: — °C

Temp should be above freezing to 6°C

pH paper Lot# 1083587 Date and Initials of person examining contents: MG 8/17/19

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓			10.
		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. See notes
All containers meet method preservation requirements.		✓		Initial when completed: MG Date/time of preservation: 12:00 8/17/19 Lot # of added preservative: DL19-0810
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: MG Date: 8/17/19

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: HCl vial 2 preserved bottles for each sample and 1 unpreserved jar

41826-001 - added HNO3 2.5ml to 4 sample bottles

41826-002 - added HNO3 2.5 ml to 4 sample bottles

41826-003 - added HNO3 2.5 ml to 4 sample bottles

41826-004 - added HNO3 2.5ml to 4 sample bottles

41826005 added HNO3 2.5ml to 4 sample bottles

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-4694-1
Client Project/Site: 418266

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/25/2019 6:36:25 PM

Xuan Dang, Project Manager I
(714)895-5494
xuandang@eurofinsus.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 7
QC Association Summary 8
Lab Chronicle 9
Certification Summary 11
Method Summary 12
Sample Summary 13
Chain of Custody 14
Receipt Checklists 15

Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 570-4694-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-4694-1

Comments
No additional comments.

Receipt
The samples were received on 8/14/2019 6:08 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

GC Semi VOA
Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12743 and 570-12743 and analytical batch 570-12804.LCS/LCSD perform to meet QC requirement

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12743 and 570-12743.LCS/LCSD perform to meet QC requirement

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Client Sample ID: LAMW-5S (418266-001) — Lab Sample ID: 570-4694-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	3.93		1.19	0.952	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	2.10		1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: SMBRP-9 (418266-002) — Lab Sample ID: 570-4694-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.29		1.19	0.952	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	7.61		5.00	2.92	mg/L	1		SM5210B	Total/NA

Client Sample ID: SMBRP-11 (418266-003) — Lab Sample ID: 570-4694-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.76		1.19	0.952	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	5.92		1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW04S (418266-004) — Lab Sample ID: 570-4694-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.89		1.11	0.889	mg/L	1		1664A	Total/NA

Client Sample ID: MCWP-MW04D (418266-005) — Lab Sample ID: 570-4694-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	2.98		1.19	0.952	mg/L	1		1664A	Total/NA

This Detection Summary does not include radiochemical test results.

General Chemistry

Client Sample ID: LAMW-5S (418266-001)
Date Collected: 08/13/19 13:30
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	3.93		1.19	0.952	mg/L		08/15/19 14:24	08/15/19 16:59	1
Biochemical Oxygen Demand	2.10		1.67	0.973	mg/L			08/14/19 19:24	1

Client Sample ID: SMBRP-9 (418266-002)
Date Collected: 08/13/19 08:30
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	4.29		1.19	0.952	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	7.61		5.00	2.92	mg/L			08/14/19 19:24	1

Client Sample ID: SMBRP-11 (418266-003)
Date Collected: 08/13/19 13:00
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	4.76		1.19	0.952	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	5.92		1.67	0.973	mg/L			08/14/19 19:24	1

Client Sample ID: MCWP-MW04S (418266-004)
Date Collected: 08/13/19 11:45
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	4.89		1.11	0.889	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/14/19 19:24	1

Client Sample ID: MCWP-MW04D (418266-005)
Date Collected: 08/13/19 11:15
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	2.98		1.19	0.952	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/14/19 19:24	1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-12743/1-A
Matrix: Water
Analysis Batch: 12804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.800	mg/L		08/15/19 14:24	08/15/19 16:59	1

Lab Sample ID: LCS 570-12743/2-A
Matrix: Water
Analysis Batch: 12804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	36.70		mg/L		92	78 - 114

Lab Sample ID: LCSD 570-12743/3-A
Matrix: Water
Analysis Batch: 12804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12743

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	37.30		mg/L		93	78 - 114	2	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-13541/2
Matrix: Water
Analysis Batch: 13541

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.7914	J	0.833	0.487	mg/L			08/14/19 18:00	1

Lab Sample ID: USB 570-13541/1
Matrix: Water
Analysis Batch: 13541

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		0.833	0.487	mg/L			08/14/19 18:00	1

Lab Sample ID: LCS 570-13541/3
Matrix: Water
Analysis Batch: 13541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	205.4		mg/L		104	84.6 - 115.4

Lab Sample ID: 570-4521-A-1 DU
Matrix: Water
Analysis Batch: 13541

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	2310		2269		mg/L		2	25

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

General Chemistry

Prep Batch: 12743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4694-1	LAMW-5S (418266-001)	Total/NA	Water	1664A	
570-4694-2	SMBRP-9 (418266-002)	Total/NA	Water	1664A	
570-4694-3	SMBRP-11 (418266-003)	Total/NA	Water	1664A	
570-4694-4	MCWP-MW04S (418266-004)	Total/NA	Water	1664A	
570-4694-5	MCWP-MW04D (418266-005)	Total/NA	Water	1664A	
MB 570-12743/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-12743/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-12743/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 12804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4694-1	LAMW-5S (418266-001)	Total/NA	Water	1664A	12743
570-4694-2	SMBRP-9 (418266-002)	Total/NA	Water	1664A	12743
570-4694-3	SMBRP-11 (418266-003)	Total/NA	Water	1664A	12743
570-4694-4	MCWP-MW04S (418266-004)	Total/NA	Water	1664A	12743
570-4694-5	MCWP-MW04D (418266-005)	Total/NA	Water	1664A	12743
MB 570-12743/1-A	Method Blank	Total/NA	Water	1664A	12743
LCS 570-12743/2-A	Lab Control Sample	Total/NA	Water	1664A	12743
LCSD 570-12743/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	12743

Analysis Batch: 13541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4694-1	LAMW-5S (418266-001)	Total/NA	Water	SM5210B	
570-4694-2	SMBRP-9 (418266-002)	Total/NA	Water	SM5210B	
570-4694-3	SMBRP-11 (418266-003)	Total/NA	Water	SM5210B	
570-4694-4	MCWP-MW04S (418266-004)	Total/NA	Water	SM5210B	
570-4694-5	MCWP-MW04D (418266-005)	Total/NA	Water	SM5210B	
SCB 570-13541/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-13541/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-13541/3	Lab Control Sample	Total/NA	Water	SM5210B	
570-4521-A-1 DU	Duplicate	Total/NA	Water	SM5210B	

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Client Sample ID: LAMW-5S (418266-001)

Lab Sample ID: 570-4694-1

Date Collected: 08/13/19 13:30

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:24	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Client Sample ID: SMBRP-9 (418266-002)

Lab Sample ID: 570-4694-2

Date Collected: 08/13/19 08:30

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	50 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Client Sample ID: SMBRP-11 (418266-003)

Lab Sample ID: 570-4694-3

Date Collected: 08/13/19 13:00

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Client Sample ID: MCWP-MW04S (418266-004)

Lab Sample ID: 570-4694-4

Date Collected: 08/13/19 11:45

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			900 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Client Sample ID: MCWP-MW04D (418266-005)

Date Collected: 08/13/19 11:15
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	ECL 1
SM5210B	BOD, 5 Day	SM	ECL 1
1664A	HEM and SGT-HEM (Aqueous)	1664A	ECL 1

Protocol References:

1664A = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-4694-1	LAMW-5S (418266-001)	Water	08/13/19 13:30	08/14/19 18:08	
570-4694-2	SMBRP-9 (418266-002)	Water	08/13/19 08:30	08/14/19 18:08	
570-4694-3	SMBRP-11 (418266-003)	Water	08/13/19 13:00	08/14/19 18:08	
570-4694-4	MCWP-MW04S (418266-004)	Water	08/13/19 11:45	08/14/19 18:08	
570-4694-5	MCWP-MW04D (418266-005)	Water	08/13/19 11:15	08/14/19 18:08	

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

570-4694 Chain of Custody

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1038373

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-55 (418266-001)	1664_Total_OUT	
Water	08/13/19 13:30	LAMW-55 (418266-001)	5210B BOD_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1664_Total_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	5210B BOD_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1664_Total_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	5210B BOD_OUT	
Water	08/13/19 11:45	MCWP-MW045 (418266-004)	1664_Total_OUT	
Water	08/13/19 11:45	MCWP-MW045 (418266-004)	5210B BOD_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1664_Total_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	5210B BOD_OUT	

Note:
Standard TAT

Relinquished By	**Received By:**
Date/Time 08/14/19 18:08	Date/Time
	8/14/19 18:08
Date/Time	Date/Time

3.0/3.5 SCG

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-4694-1

Login Number: 4694
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project # 418266
Samples Received: 08/16/2019

Analytical Report
0819-730

Method 1613B
2,3,7,8-TCDD Only

Enthalpy Analytical, LLC – Ultratrace

O: (910) 212-5858 / F: 910-212-5866
www.enthalpy.com
2714 Exchange Drive
Wilmington, NC 28405

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 22 pages.



QA Review Performed by: Bryan A. Vining

Report Issued Date: 29 AUG 19

ENTHALPY ANALYTICAL

Summary of Results

Summary of Results: I-TEF TEQ

Enthalpy Ultratrace Batch

10419

Method 1613B

Analyte	Method Blank pg/L	LAMW-5S (418266-001) pg/L	SMBRP-9 (418266-002) pg/L	SMBRP-11 (418266-003) pg/L	MCWP-MW04S (418266-004) pg/L	MCWP-MW04D (418266-005) pg/L
2,3,7,8-TCDD	(1.3)	(1.25)	(1.27)	(1.25)	(1.25)	(1.31)
ND = (DL) EMPC = [ ]						
Lab Sample ID	LMB_10419_DF	0819-730_10419_001	0819-730_10419_002	0819-730_10419_003	0819-730_10419_004	0819-730_10419_005

Detailed Results

LAMW-5S (418266-001)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	LAMW-5S (418266-001)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 13:30:0(**	**RRFs:**	**ICAL**

Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-2019**
Lab Sample ID:	**0819-730_10419_001**	**Weight/Volume:**	**1.04**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**8:23:37**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.25		U	ES 2,3,7,8-TCDD	36.5	
					CS 37Cl-2378-TCDD	72.9	
					AS 1368-TCDD	86.4	

SMBRP-9 (418266-002)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	SMBRP-9 (418266-002)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 8:30:00**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-730_10419_002**	**Weight/Volume:**	**1.02**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**9:11:56**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.27		U	ES 2,3,7,8-TCDD	39.0	
					CS 37Cl-2378-TCDD	74.7	
					AS 1368-TCDD	82.2	

SMBRP-11 (418266-003)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	SMBRP-11 (418266-003)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 13:00:0(**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-730_10419_003**	**Weight/Volume:**	**1.04**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**10:01:08**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.25		U	ES 2,3,7,8-TCDD	55.3	
					CS 37Cl-2378-TCDD	74.9	
					AS 1368-TCDD	81.9	

MCWP-MW04S (418266-004)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	MCWP-MW04S (418266-004)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 11:45:00**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-730_10419_004**	**Weight/Volume:**	**1.04**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**10:49:13**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.25		U	ES 2,3,7,8-TCDD	69.2	
					CS 37Cl-2378-TCDD	75.1	
					AS 1368-TCDD	85.4	

MCWP-MW04D (418266-005)						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW04D (418266-005)		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	418266		**Sample Collection Date:**	**8/13/2019 11:15:0(**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**		
Lab Sample ID:	**0819-730_10419_005**	**Weight/Volume:**	**0.99**	**Date Extracted:**	**19-Aug-19**		
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**		
Dilution:	**-**			**Time Analyzed:**	**11:37:34**		

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.31		U	ES 2,3,7,8-TCDD	84.6	
					CS 37Cl-2378-TCDD	76.8	
					AS 1368-TCDD	89.3	

QC Data

Continuing Calibration

	CS3-A
Concentration (pg/µL)	10
Standard ID	SIDAE90
Acquisition Date	22-Aug-19
Acquisition Time	20:01:20

Analyte	RRF	ICAL RRFs	PD (CS3-A v. ICAL)
2,3,7,8-TCDD	1.07	1.17	-8.5
ES 2,3,7,8-TCDF	0.99	1.04	-4.8
CS 37Cl-2378-TCDD	1.15	1.24	-7.3
AS 1368-TCDD	1.07	1.04	2.9

OPR				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_10419_DF	Final Vol. (uL)	20.0	Date Extracted:	19-Aug-19
QC Batch #:	10419	Split Factor:	1	Date Analyzed:	22-Aug-19
Dilution:	-			Time Analyzed:	20:58:31

Analyte	Conc. (pg)	DL (pg)	EMPC (pg)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	9.28				ES 2,3,7,8-TCDD	75.5	
					CS 37Cl-2378-TCDD	78.6	
					AS 1368-TCDD	86.0	

OPR Demonstration Data (TCDD Only)

Batch ID#: 10419

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	9.3	7.3	14.6	Y	ES 2,3,7,8-TCDD	76	25	141	Y
					CS 2,3,7,8-TCDD	8	3.7	15.8	Y

Method Blank				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	LMB_10419_DF	Weight/Volume:	1.00	Date Extracted:	19-Aug-19
QC Batch #:	10419	Split Factor:	1	Date Analyzed:	22-Aug-19
Dilution:	-			Time Analyzed:	22:34:53

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.445		U	ES 2,3,7,8-TCDD	74.8	
					CS 37Cl-2378-TCDD	74.1	
					AS 1368-TCDD	85.9	

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy Analytical - Orange
Job#	0819-730 EPA 1613B
Client Project #	418266

Custody	Robin Appelle of Enthalpy Analytical Wilmington received all samples (via FedEx) 08/16/19 on ice at 4.5°C in good condition. Prior to, during, and after analysis, the samples were stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, LLC.
Analysis	The samples were analyzed by EPA Method 1613B for PCDDs/PCDFs only using Agilent Technologies Model# 6890 High-Resolution GC/ Waters High-Resolution Mass-Spectrometer (HRGC/HRMS "Galadriel"). After sampling by the client, the laboratory spiked the sample with Extraction Standard (ES), then extracted by separatory funnel with Hexane. After solvent exchange, the extract was spiked with Alternate Standard (AS) and CS (Clean Up Standard). Cleanup procedures were performed on the extract. The final sample extract was transferred to an autosampler vial and spiked with 20 µL of Injection Standard (JS), prior to analysis.
Calibration	The analytes and labeled standards in the initial calibration exhibited RSDs less than 20%. The continuing calibration and batch control spike met the 20% criterion for native analytes, and met the 30% criterion for the labeled standards.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. The QC injections passed all method criteria. Labeled and standard recovery values were acceptable. The sample was extracted within the 30-day from collection holding time. The extract was analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.
Reporting Notes (continued)	The results presented in this report are representative of the samples as provided to the laboratory. The samples, calibrations and standards for the data presented in this report were analyzed at 2714 Exchange Drive, Wilmington, NC 28405.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc.-Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers / Data Attributes

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- C – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve).
- EMPC – Represents an estimated maximum possible concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
- J – Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
- L - Indicates that an analyte has a concentration below the Minimum Detection Limit (MDL).
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable.
- PR – Due to interference, the associated congener is poorly resolved.
- DI – Indicates the presence of a quantitative interference.
- SI – Denotes “Single Ion Mode” and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected. The Estimated Detection Limit (EDL) may be reported for this analyte.
- V – The labeled standard recovery was found to be outside of the method control limits.

DRBC/TMDL Specific Data Qualifiers / Data Attributes

- J – The reported result is an estimate. The value is less than the minimum calibration level but greater than the Estimated Detection Limit (EDL).
- U – The analyte was not detected in the sample at the Estimated Detection Limit (EDL).

- E – The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
- D – Dilution Data. Result was obtained from the analysis of a dilution.
- B – Analyte found in the sample and associated method blank.
- Cxx – Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'xx' denotes the IUPAC number with the lowest numerical designated congener.
- NR – Analyte is not reportable because of problems in sample preparation or analysis.
- V – Labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.
- EMPC – Estimated Maximum Possible Concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

Lab Identifiers

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.

Sample Custody

0819-730

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
Standard TAT

2,3,7,8-TCDD only

Relinquished By	**Received By:**
Date/Time 8/15/19 1650	Date/Time 8/16/19 1315 4.5°C T9
Date/Time	Date/Time

Folder, 7760 0071 9387, on Ice, No seals, Good condition
M 8/16/19

418266-04 08/15/19 13:06 RC

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Project Manager
Enthalpy Analytical

Fax #:

Email: incomingreports@enthalpy.com

From: Tyler D Miller
AmeriSci Job #: 919081535
Subject: Water (waste) 5 day Results
Client Project: 418266; (Report Amended 8/20/2019)

Date: Tuesday, August 20, 2019
Time: 11:29:42
Comments:

Number of Pages: 4 (including cover sheet)

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Job #: **919081535**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

418266; (Report Amended 8/20/2019)

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	LAMW-5S 418266-001	0.02	1	2	NSD	0.17	0.35	<0.17	amphibole
02	SMBRP-9 418266-002	0.0003	1	NSD	NSD	5.79	<5.79	<5.79	----
03	SMBRP-11 418266-003	0.02	1	NSD	NSD	0.17	<0.17	<0.17	----
04	MCWP-MW04S 418266-004	0.005	1	1	NSD	0.35	0.35	<0.35	chrysotile
05	MCWP-MW04D 418266-005	0.02	1	NSD	NSD	0.17	<0.17	<0.17	----

*fiber criteria (>=0.5 microns, 5:1 aspect ratio); NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter.

NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1), waste water by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Samples are refrigerated upon receipt when necessary and filtered within four hours.

Reviewed By: _____ ; Analyzed By: _____ Date: 8/15/2019

Tyler D Miller

9190815335

Subject: Updates Sample IDs
From: Ranjit Clarke <ranjit.clarke@enthalpy.com>
Date: 8/19/2019, 11:51 AM
To: Glenda Luzon <gluzon@amerisci.com>

Glenda,

Please see the attached COC. I have updated the sample IDs for samples -1 and -4. I have also included the PO# that should be used for invoicing this report.

Thanks,

Ranjit

Ranjit Clarke
Senior Project Manager
ENTHALPY ANALYTICAL
931 W. Barkley Ave., Orange, CA 92868
O: 714.771.6900 X 9906 | M: 657-274-9864 | F: 714-538-1209
Ranjit.Clarke@enthalpy.com

To help protect the air we breathe, the water we drink, and the soil that feeds us.

Please take a moment to provide customer feedback
Terms and Conditions & Enthalpy Sample Acceptance Policy

https://enthalpy.com/news-events/

CONFIDENTIALITY NOTICE: The contents of this email message and any attachments are intended solely for the addressee(s) and may contain confidential, proprietary and/or privileged information and may be legally protected from disclosure. If you are not the intended recipient of this message or their agent, or if this message has been addressed to you in error, please immediately alert the sender by reply email and then delete this message and any attachments and the reply from your system. If you are not the intended recipient, you are hereby notified that any disclosure, use, dissemination, copying, or storage of this message or its attachments is strictly prohibited.

Attachments:

418266-02.pdf 104 KB

Rec'd by DY
8/20/19 10:45

9190815 35

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

AmeriSci - Sub
24416 S Main St. # 308
Carson, CA 90745

ATTN: Glenn Massey
PO# 1038436

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☐ EDD ☐ EDF ☐ EDT
Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	100.1 Asbestos	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	100.1 Asbestos	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	100.1 Asbestos	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	100.1 Asbestos	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	100.1 Asbestos	

Note:
5 day TAT

Relinquished By	Received By:
Date/Time	Date/Time
Date/Time	Date/Time

Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu-Quarterly
PO# 15-01587

Lab Request: 421053
Report Date: 11/14/2019
Date Received: 11/06/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
421053-001	SMBRP-12
421053-002	MCWP-MW07S
421053-003	MCWP-MW07D
421053-004	MCWP-MW09

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2019 12:00	**Site:**			
Sample #:	**421053-001**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**34.6**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**40.0**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.756**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208657
Chloride	**406**	5	0.43	5	mg/L	11/06/19	11/07/19 17:19	JP	
Fluoride	**0.48**	1	0.093	0.2	mg/L	11/06/19	11/07/19 06:47	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 06:47	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/19	11/07/19 06:47	JP	
Sulfate	**399**	5	0.385	5	mg/L	11/06/19	11/07/19 17:19	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**40**	5	0.26	2	mg/L	11/13/19	11/14/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208523
Color	ND	1	5	5	Color Unit		11/06/19 18:00	TP	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208522
Turbidity	**38**	1	0.074	0.1	NTU		11/06/19 18:00	TP	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208524
Odor Threshold	ND	1	1	1	T.O.N		11/06/19 18:00	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208588
Total Dissolved Solids	**1510**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208603
Total Suspended Solids	**107**	2.5	1.25	1.25	mg/L	11/07/19	11/07/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208541
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/19 15:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208614
pH	**7.15**	1			SU	11/06/19 00:00	11/06/19 18:20	WW	T2
Temp. at Time of pH Measurement	**11.5**	1			°C	11/06/19 00:00	11/06/19 18:20	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208712
Ammonia, as Nitrogen	**5.35**	5	0.05	0.5	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208706
Total Phosphorous as P	**1.215**	15	0.15	0.3	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**3.72**	15	0.45	0.9	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208495
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 18:20	EC	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**18.6**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**0.17**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**290**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2019 10:30	**Site:**			
Sample #:	**421053-002**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**5.18**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1208547
Total Oil and Grease	**2.0 J**	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1208504
Boron	**0.333**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208657
Chloride	**208**	5	0.43	5	mg/L	11/06/19	11/07/19 17:38	JP	
Fluoride	**0.46**	1	0.093	0.2	mg/L	11/06/19	11/07/19 07:06	JP	
Nitrate, as Nitrogen	**5.03**	1	0.012	0.1	mg/L	11/06/19	11/07/19 07:06	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/19	11/07/19 07:06	JP	
Sulfate	**278**	5	0.385	5	mg/L	11/06/19	11/07/19 17:38	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.155 J**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	J
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1208523
Color	ND	1	5	5	Color Unit		11/06/19 18:00	TP	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1208522
Turbidity	**60**	1	0.074	0.1	NTU		11/06/19 18:00	TP	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1208524
Odor Threshold	ND	1	1	1	T.O.N		11/06/19 18:00	TP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1208588
Total Dissolved Solids	**1040**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1208603
Total Suspended Solids	**134**	4	2	2	mg/L	11/07/19	11/07/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1208541
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/19 15:30	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1208614
pH	**7.31**	1			SU	11/06/19 00:00	11/06/19 18:21	WW	T2
Temp. at Time of pH Measurement	**15.6**	1			°C	11/06/19 00:00	11/06/19 18:21	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208712
Ammonia, as Nitrogen	**0.149**	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.146**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.448**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1208495
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 18:21	EC	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**2.55**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1208557
MBAS	**0.27**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**2000**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2019 10:00	**Site:**			
Sample #:	**421053-003**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**2.06**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.73**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID: QC1208547		
Total Oil and Grease	**2.0 J**	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID: QC1208504		
Boron	**0.109**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1208657		
Chloride	**79.8**	1	0.086	1	mg/L	11/06/19	11/07/19 08:02	JP	
Fluoride	**0.28**	1	0.093	0.2	mg/L	11/06/19	11/07/19 08:02	JP	
Nitrate, as Nitrogen	**0.43**	1	0.012	0.1	mg/L	11/06/19	11/07/19 08:02	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/19	11/07/19 08:02	JP	
Sulfate	**120**	5	0.385	5	mg/L	11/06/19	11/07/19 17:57	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1208789		
Total Kjeldahl Nitrogen	**2.3**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID: QC1208523		
Color	ND	1	5	5	Color Unit		11/06/19 18:00	TP	
Method: SM 2130-B Prep Method: Method							QCBatchID: QC1208522		
Turbidity	**24**	1	0.074	0.1	NTU		11/06/19 18:00	TP	
Method: SM 2150-B Prep Method: Method							QCBatchID: QC1208524		
Odor Threshold	ND	1	1	1	T.O.N		11/06/19 18:00	TP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1208588		
Total Dissolved Solids	**308**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID: QC1208603		
Total Suspended Solids	**37.4**	2	1	1	mg/L	11/07/19	11/07/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1208541		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/19 15:30	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1208614		
pH	**6.90**	1			SU	11/06/19 00:00	11/06/19 18:22	WW	T2
Temp. at Time of pH Measurement	**15.4**	1			°C	11/06/19 00:00	11/06/19 18:22	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1208712		
Ammonia, as Nitrogen	**0.242**	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1208706		
Total Phosphorous as P	**0.284**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.871**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID: QC1208495		
BOD	**6**	1	3	3	mg/L	11/06/19	11/06/19 18:22	EC	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID: QC1208488		
Total Organic Carbon (TOC)	**18.9**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1208557		
MBAS	**7.3**	25	0.675	1	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1208491		
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**1300**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2019 12:45	**Site:**			
Sample #:	**421053-004**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.85**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.08**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	**5.3 J**	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.626**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208657
Chloride	**463**	10	0.86	10	mg/L	11/06/19	11/07/19 18:16	JP	
Fluoride	**0.52**	1	0.093	0.2	mg/L	11/06/19	11/07/19 08:21	JP	
Nitrate, as Nitrogen	**0.18**	1	0.012	0.1	mg/L	11/06/19	11/07/19 08:21	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/19	11/07/19 08:21	JP	
Sulfate	**498**	10	0.77	10	mg/L	11/06/19	11/07/19 18:16	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**1.9**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208523
Color	ND	1	5	5	Color Unit		11/06/19 18:00	TP	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208522
Turbidity	**16**	1	0.074	0.1	NTU		11/06/19 18:00	TP	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208524
Odor Threshold	ND	1	1	1	T.O.N		11/06/19 18:00	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208588
Total Dissolved Solids	**1710**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208603
Total Suspended Solids	**32.2**	2	1	1	mg/L	11/07/19	11/07/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208541
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/19 15:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208614
pH	**7.39**	1			SU	11/06/19 00:00	11/06/19 18:25	WW	T2
Temp. at Time of pH Measurement	**14.6**	1			°C	11/06/19 00:00	11/06/19 18:25	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208712
Ammonia, as Nitrogen	**1.05**	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208706
Total Phosphorous as P	**0.287**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.880**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208495
BOD	**7**	1	3	3	mg/L	11/06/19	11/06/19 18:25	EC	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**19.4**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**10**	12.5	0.3375	0.5	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**180**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

QCBatchID: QC1208488 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208488MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208488LCS1											
Total Organic Carbon (TOC)	10		9.44		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208488MS1, QC1208488MSD1												**Source: 420789-002**
Total Organic Carbon (TOC)	14.0	20	20	33.2	34.2	mg/L	96	101	3.0	80-120	20	

QCBatchID:	**QC1208495**	**Analyst:**	npham	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208495MB1					
BOD	ND	mg/L	3	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208495LCS1											
BOD	198		177		mg/L	89			84.6-115.4		

QCBatchID: QC1208504 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208504MB1					
Aluminum	ND	mg/L	0.033	0.05	
Arsenic	ND	mg/L	0.009	0.01	
Barium	ND	mg/L	0.002	0.01	
Boron	ND	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.002	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.008	0.01	
Lead	ND	mg/L	0.007	0.01	
Manganese	ND	mg/L	0.006	0.01	
Nickel	ND	mg/L	0.004	0.01	
Potassium	ND	mg/L	0.167	0.5	
Silver	ND	mg/L	0.005	0.005	
Sodium	ND	mg/L	0.119	0.5	
Zinc	ND	mg/L	0.017	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504LCS1											
Aluminum	2		2.03		mg/L	102			85-115		
Arsenic	2		1.81		mg/L	91			85-115		
Barium	2		1.91		mg/L	96			85-115		
Boron	2		1.84		mg/L	92			85-115		
Cadmium	2		1.86		mg/L	93			85-115		
Chromium	2		1.89		mg/L	95			85-115		
Copper	2		1.80		mg/L	90			85-115		
Lead	2		1.78		mg/L	89			85-115		
Manganese	2		2.03		mg/L	102			85-115		
Nickel	2		1.85		mg/L	93			85-115		
Potassium	38		35.9		mg/L	94			85-115		
Silver	1		0.916		mg/L	92			85-115		
Sodium	20		19.6		mg/L	98			85-115		
Zinc	2		1.99		mg/L	100			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504MS1												**Source: 420955-001**
Aluminum	1.62	1		2.64		mg/L	102			75-125		
Arsenic	ND	1		1.11		mg/L	111			75-125		
Barium	0.026	1		0.970		mg/L	94			75-125		
Boron	7.10	1		8.46		mg/L	136			75-125		NC
Cadmium	0.158	1		1.11		mg/L	95			75-125		
Chromium	ND	1		0.908		mg/L	91			75-125		
Copper	ND	1		0.898		mg/L	90			75-125		
Lead	ND	1		0.979		mg/L	98			75-125		
Manganese	ND	1		0.970		mg/L	97			75-125		
Nickel	0.688	1		1.66		mg/L	97			75-125		
Potassium	3870	29		4220		mg/L	1207			75-125		NC
Silver	ND	1		0.955		mg/L	96			75-125		
Sodium	7760	20		7870		mg/L	550			75-125		NC
Zinc	0.431	1		1.52		mg/L	109			75-125		

QCBatchID: QC1208504 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504MS2												**Source: 421053-002**
Aluminum	2.70	1		3.55		mg/L	85			75-125		
Arsenic	ND	1		0.948		mg/L	95			75-125		
Barium	0.069	1		0.953		mg/L	88			75-125		
Boron	0.333	1		1.22		mg/L	89			75-125		
Cadmium	ND	1		0.830		mg/L	83			75-125		
Chromium	0.010	1		0.880		mg/L	87			75-125		
Copper	ND	1		0.863		mg/L	86			75-125		
Lead	ND	1		0.834		mg/L	83			75-125		
Manganese	0.505	1		1.48		mg/L	98			75-125		
Nickel	0.009	1		0.842		mg/L	83			75-125		
Potassium	5.66	29		31.7		mg/L	90			75-125		
Silver	ND	1		0.864		mg/L	86			75-125		
Sodium	213	20		208		mg/L	0			75-125		NC
Zinc	0.023	1		0.895		mg/L	87			75-125		

QCBatchID:	**QC1208522**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208522DUP1						**Source: 421043-001**
Turbidity	0.12	0.12	NTU	0.0	20	

QCBatchID:	**QC1208523**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208523DUP1						**Source: 421043-004**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1208524**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208524DUP1						**Source: 421043-004**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1208541 **Analyst:** npham **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208541MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208541LCS1											
Chlorine, Total Residual	1		1.09		mg/L	109			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208541DUP1						**Source: 421106-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID: QC1208547	**Analyst:** Echavez		**Method:** EPA 1664A		
Matrix: Water	**Analyzed:** 11/07/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208547MB1					
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1208547LCS1, QC1208547LCSD1											
Total Oil and Grease	40	40	35.7	37.0	mg/L	89	93	4	78-114	18	

QCBatchID: QC1208557 **Analyst:** npham **Method:** SM 5540-C

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208557MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208557LCS1											
MBAS	1		1.1		mg/L	110			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208557MS1, QC1208557MSD1												**Source: 421057-001**
MBAS	ND	1	1	1.0	1.0	mg/L	100	100	0.0	75-125	20	

QCBatchID: QC1208588 **Analyst:** npham **Method:** SM 2540-C

Matrix: Water **Analyzed:** 11/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208588MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208588LCS1											
Total Dissolved Solids	95		96.0		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208588DUP1						**Source: 421053-001**
Total Dissolved Solids	1510	1510	mg/L	0.0	5	

QCBatchID:	**QC1208603**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	11/07/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208603MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208603DUP1						**Source: 421053-001**
Total Suspended Solids	107	106	mg/L	0.9	5	

QCBatchID:	**QC1208614**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208614DUP1						**Source: 421053-001**
pH	7.15	7.16	SU	0.1	20	
Temp. at Time of pH Measurement	11.5	11.5	°C	0.0	20	

QCBatchID: QC1208657 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208657MB1					
Chloride	ND	mg/L	0.086	1	
Fluoride	ND	mg/L	0.093	0.2	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrite, as NO2	ND	mg/L	0.06	0.33	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208657LCS1											
Chloride	100		107		mg/L	107			90-110		
Fluoride	20		20.9		mg/L	105			90-110		
Nitrate, as Nitrogen	9.03		9.48		mg/L	105			90-110		
Nitrate, as NO3	40		42.0		mg/L	105			90-110		
Nitrite, as Nitrogen	9.15		9.45		mg/L	103			90-110		
Nitrite, as NO2	30		31.0		mg/L	103			90-110		
Sulfate	50		51.8		mg/L	104			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208657MS1, QC1208657MSD1												**Source: 421044-003**
Chloride	153	100	100	226	227	mg/L	73	74	0.4	80-120	20	M
Fluoride	0.254	20	20	20.1	21.0	mg/L	99	104	4.4	80-120	20	
Nitrate, as Nitrogen	5.20	9.03	9.03	14.2	14.6	mg/L	100	104	2.8	80-120	20	
Nitrate, as NO3	23.0	40	40	63.1	64.6	mg/L	100	104	2.3	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	7.83	8.10	mg/L	86	89	3.4	80-120	20	
Nitrite, as NO2	ND	30	30	25.7	26.6	mg/L	86	89	3.4	80-120	20	
Sulfate	8.02	50	50	57.2	58.8	mg/L	98	102	2.8	80-120	20	
QC1208657MS2, QC1208657MSD2												**Source: 421044-007**
Chloride	98.6	100	100	193	194	mg/L	94	95	0.5	80-120	20	
Fluoride	0.289	20	20	22.8	23.1	mg/L	113	114	1.3	80-120	20	
Nitrate, as Nitrogen	5.26	9.03	9.03	15.2	15.3	mg/L	110	111	0.7	80-120	20	
Nitrate, as NO3	23.3	40	40	67.2	67.6	mg/L	110	111	0.6	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.55	9.62	mg/L	104	105	0.7	80-120	20	
Nitrite, as NO2	ND	30	30	31.3	31.6	mg/L	104	105	1.0	80-120	20	
Sulfate	1.78	50	50	57.8	58.6	mg/L	112	114	1.4	80-120	20	

QCBatchID: QC1208706 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208706MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208706LCS1											
Total Phosphorous as P	0.4		0.387		mg/L	97			80-120		
Total Phosphorous as PO4	1.3		1.19		mg/L	92			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208706MS1, QC1208706MSD1												**Source: 421014-001**
Total Phosphorous as P	0.0580	0.4	0.4	0.451	0.451	mg/L	98	98	0.0	75-125	20	
Total Phosphorous as PO4	0.178	1.3	1.3	1.38	1.38	mg/L	92	92	0.0	75-125	20	

QCBatchID: QC1208712 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208712MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208712LCS1											
Ammonia, as Nitrogen	2.5		2.45		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208712MS1, QC1208712MSD1												**Source: 421170-001**
Ammonia, as Nitrogen	0.030	5	5	4.76	4.76	mg/L	95	95	11.7	80-120	20	

QCBatchID: QC1208789 **Analyst:** jbankhardts **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208789MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789MS1, QC1208789MSD1												**Source: 421045-004**
Total Kjeldahl Nitrogen	ND	12.5	12.5	13	12	mg/L	104	96	8.0	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only
931 W. Barkley Ave., Orange, CA 92868	Lab No: 42/053	Standard: X
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day:
Billing: Enthalpy - SoCal		3 Day:
c/o Montrose Environmental Group		Same Day:
1 Park Plaza, Suite 1000, Irvine, CA 92614		

Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly
Report To:	Kiernan Brtalik	Number:	
Email:	kbrtalik@rinconconsultants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Michelle Carter

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,Fl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	MC
~~SMBRP-9~~						X	X	X	X	X	X	X	MC
~~SMBRP-11~~						X	X	X	X	X	X	X	MC
SMBRP-12	11/6/19	1200	W			X	X	X	X	X	X	X	
~~MCWP-MW04S~~						X	X	X	X	X	X	X	MC
~~MCWP-MW04D~~						X	X	X	X	X	X	X	MC
MCWP-MW07S	11/6/19	1030	W			X	X	X	X	X	X	X	
MCWP-MW07D	11/6/19	1000	W			X	X	X	X	X	X	X	
MCWP-MW09	11/6/19	1245	W			X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS, INC.	11/6/19 1346
[1] Received By:		Henri Gutierrez	EA	11/6/19 / 13:46
[2] Relinquished By:		Henri Gutierrez	EA	11/6/19 / 17:20
[2] Received By:		Elizabeth Ramirez	EA	11/6/19 17:20
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu -Quarterly

Date Received: 11/6/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.7 #2: 12.4 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: 0.5 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/6/19.

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu-Quarterly
PO# 15-01587

Lab Request: 421045
Report Date: 11/14/2019
Date Received: 11/06/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
421045-001	N-001
421045-002	N-002
421045-003	N-003
421045-004	N-004
421045-005	L-001
421045-006	L-002
421045-007	L-003
421045-008	L-004
421045-009	L-005
421045-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 12:22 **Site:**
Sample #: **421045-001** **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.06 J**	1	0.04	0.5	mg/L		11/14/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.056 J**	1	0.03	0.5	mg/L		11/14/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 02:59	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/19	11/07/19 21:06	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**0.056 J**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.039**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.120**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**2000**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 12:35 **Site:**
Sample #: **421045-002** **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.12 J**	1	0.04	0.5	mg/L		11/14/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.124 J**	1	0.03	0.5	mg/L		11/14/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 03:18	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/19	11/07/19 21:25	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**0.124 J**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.024**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.074**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**2000**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 11:47 **Site:**
Sample #: **421045-003** **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 04:15	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/19	11/07/19 21:44	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208792
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.068**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.208**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**32**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 13:15 **Site:**
Sample #: **421045-004** **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 04:34	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/19	11/07/19 22:03	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.022**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.068**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**2000**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 09:55 **Site:**
Sample #: **421045-005** **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.58**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.582**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 04:53	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 22:22	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.582**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.132**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.405**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**100**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 10:35 **Site:**
Sample #: **421045-006** **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.50**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.628**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	**0.13**	1	0.012	0.1	mg/L	11/06/19	11/07/19 05:12	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 22:41	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.498**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.121**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.371**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**230**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 10:13 **Site:**
Sample #: 421045-007 **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.69**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.692**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 05:31	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 23:00	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.692**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.108**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.331**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**520**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 10:57 **Site:**
Sample #: 421045-008 **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.22**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.22**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 05:50	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 23:19	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.135**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.414**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**360**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 11:35 **Site:**
Sample #: **421045-009** **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.75**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.748**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 06:09	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 23:38	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.748**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.095**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.291**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 11:10 **Site:**
Sample #: **421045-010** **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.20**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 06:28	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 23:57	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.215**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.659**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**650**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

QCBatchID: QC1208561 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208561MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208561LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208561MS1, QC1208561MSD1												**Source: 420909-001**
Total Kjeldahl Nitrogen	1.3	12.5	12.5	13	14	mg/L	94	102	7.4	80-120	20	

QCBatchID: QC1208656 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208656MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208656LCS1											
Chloride	100		106		mg/L	106			90-110		
Nitrate, as Nitrogen	9.03		9.42		mg/L	104			90-110		
Nitrate, as NO3	40		41.7		mg/L	104			90-110		
Nitrite, as Nitrogen	9.15		9.26		mg/L	101			90-110		
Sulfate	50		51.8		mg/L	104			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208656MS1, QC1208656MSD1												**Source: 421032-003**
Chloride	153	100	100	225	228	mg/L	72	75	1.3	80-120	20	M
Nitrate, as Nitrogen	5.55	9.03	9.03	14.6	14.9	mg/L	100	104	2.0	80-120	20	
Nitrate, as NO3	24.6	40	40	64.5	66.0	mg/L	100	104	2.3	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	7.83	8.17	mg/L	86	89	4.3	80-120	20	
Sulfate	9.67	50	50	58.9	60.3	mg/L	98	101	2.3	80-120	20	
QC1208656MS2, QC1208656MSD2												**Source: 421038-003**
Chloride	81.8	100	100	170	171	mg/L	88	89	0.6	80-120	20	
Nitrate, as Nitrogen	22.9	90.3	90.3	120	119	mg/L	108	106	0.8	80-120	20	
Nitrate, as NO3	101	400	400	531	526	mg/L	108	106	0.9	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.53	8.68	mg/L	93	95	1.7	80-120	20	
Sulfate	94.7	50	50	138	139	mg/L	87	89	0.7	80-120	20	

QCBatchID: QC1208706 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208706MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208706LCS1											
Total Phosphorous as P	0.4		0.387		mg/L	97			80-120		
Total Phosphorous as PO4	1.3		1.19		mg/L	92			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208706MS1, QC1208706MSD1												**Source: 421014-001**
Total Phosphorous as P	0.0580	0.4	0.4	0.451	0.451	mg/L	98	98	0.0	75-125	20	
Total Phosphorous as PO4	0.178	1.3	1.3	1.38	1.38	mg/L	92	92	0.0	75-125	20	

QCBatchID: QC1208711 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208711MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208711LCS1											
Ammonia, as Nitrogen	2.5		2.45		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208711MS1, QC1208711MSD1												**Source: 421045-010**
Ammonia, as Nitrogen	ND	5	5	3.21	3.17	mg/L	64	63	1.3	80-120	20	M

QCBatchID: QC1208789 **Analyst:** jbankhardts **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208789MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789MS1, QC1208789MSD1												**Source: 421045-004**
Total Kjeldahl Nitrogen	ND	12.5	12.5	13	12	mg/L	104	96	8.0	80-120	20	

QCBatchID: QC1208792 **Analyst:** jbankhardts **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208792MB1					
Total Kjeldahl Nitrogen	**0.055 J**	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208792LCS1, QC1208792LCSD1											
Total Kjeldahl Nitrogen	2.5	2.5	2.7	2.8	mg/L	108	112	0	80-120	20	

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208792MS1, QC1208792MSD1												**Source: 421067-032**
Total Kjeldahl Nitrogen	1.1	12.5	12.5	14	14	mg/L	103	103	0.0	80-120	20	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208792DUP1						**Source: 421067-032**
Total Kjeldahl Nitrogen	1.1	1.1	mg/L	0.0	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 421 045				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	1	of	1	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3					
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid				4 = H_2SO_4 5 = NaOH 6 = Other					
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water									
		SW = Swab W = Water WP = Wipe O = Other									

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	James Grunden

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus; Total Nitrogen (calculation)							Test Instructions / Comments
N-001	11/6/19	1222	water	4		X	X	X	X							
N-002	11/6/19	1235				X	X	X	X							
N-003	11/6/19	1147				X	X	X	X							
N-004	11/6/19	1315				X	X	X	X							
L-001	11/6/19	0955				X	X	X	X							
L-002	11/6/19	1035				X	X	X	X							
L-003	11/6/19	1013				X	X	X	X							
L-004	11/6/19	1057				X	X	X	X							
L-005	11/6/19	1135				X	X	X	X							
L-006	11/6/19	1110	↓	↓		X	X	X	X							

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		JAMES GRUNDEN	Rincon Consultants	11/6/19 1345
[1] Received By:		Henri Gutierrez	EA	11/6/19 1345
[2] Relinquished By:		Henri Gutierrez	EA	11/6/19 17:20
[2] Received By:		Elizabeth Ramirez	EA	11/6/19 17:20
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu -Annual

Date Received: 11/6/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/6/19.

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu-Quarterly
PO# 15-01587

Lab Request: 421139
Report Date: 11/14/2019
Date Received: 11/07/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
421139-001	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/07/2019 12:45	**Site:**			
Sample #:	**421139-001**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4023 Prep Method: None							QCBatchID:		
Total Inorganic Nitrogen	**1.61**	1	0.04	0.1	mg/L		11/14/19	SLL	
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1208707
Total Oil and Grease	**2.3 J**	1.11	1.554	5.55	mg/L	11/12/19	11/12/19	EC	J
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1208576
Boron	**0.827**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208658
Chloride	**258**	10	0.86	10	mg/L	11/07/19	11/11/19 05:54	JP	
Nitrate, as Nitrogen	**1.61**	1	0.012	0.1	mg/L	11/07/19	11/08/19 03:06	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/07/19	11/08/19 03:06	JP	
Sulfate	**515**	10	0.77	10	mg/L	11/07/19	11/11/19 05:54	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1208594
Color	ND	1	5	5	Color Unit		11/08/19 14:00	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1208592
Turbidity	**0.67**	1	0.074	0.1	NTU		11/08/19 14:00	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1208595
Odor Threshold	ND	1	1	1	T.O.N		11/08/19 14:00	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1208589
Total Dissolved Solids	**1490**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1208679
Total Suspended Solids	ND	1.11	0.555	0.555	mg/L	11/11/19	11/11/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1208591
Chlorine, Total Residual	**0.05 J**	1	0.016	0.1	mg/L		11/08/19 14:44	WW	J,T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1208581
pH	**7.02**	1			SU	11/08/19 00:00	11/08/19 09:01	WW	T2
Temp. at Time of pH Measurement	**10.6**	1			°C	11/08/19 00:00	11/08/19 09:01	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208712
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208705
Total Phosphorous as P	**0.071**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.218**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1208579
BOD	ND	1	3	3	mg/L	11/08/19	11/08/19 09:01	WW	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1208825
Total Organic Carbon (TOC)	**8.48**	1	0.091	1	mg/L	11/14/19	11/14/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1208605
MBAS	ND	1	0.027	0.04	mg/L	11/08/19 11:00	11/08/19 18:07	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208568
Fecal Coliform	**<1**	1			MPN/100ml	11/07/19 19:11	11/08/19	LH	
Total Coliform	**<1**	1			MPN/100ml	11/07/19 19:11	11/08/19	LH	

QCBatchID: QC1208576 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208576MB1					
Boron	ND	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.002	0.005	
Calcium	ND	mg/L	0.093	0.1	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.008	0.01	
Iron	ND	mg/L	0.019	0.02	
Lead	**0.009 J**	mg/L	0.007	0.01	
Magnesium	ND	mg/L	0.046	0.1	
Nickel	ND	mg/L	0.004	0.01	
Silver	ND	mg/L	0.005	0.005	
Sodium	ND	mg/L	0.119	0.5	
Zinc	ND	mg/L	0.017	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208576LCS1											
Boron	2		1.82		mg/L	91			85-115		
Cadmium	2		1.90		mg/L	95			85-115		
Calcium	20		19.8		mg/L	99			85-115		
Chromium	2		1.78		mg/L	89			85-115		
Copper	2		1.74		mg/L	87			85-115		
Iron	2		1.83		mg/L	92			85-115		
Lead	2		1.92		mg/L	96			85-115		
Magnesium	20		19.5		mg/L	98			85-115		
Nickel	2		1.74		mg/L	87			85-115		
Silver	2		1.76		mg/L	88			85-115		
Sodium	20		21.3		mg/L	107			85-115		
Zinc	2		1.72		mg/L	86			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208576MS1												**Source: 421139-001**
Boron	0.827	1		1.89		mg/L	106			75-125		
Cadmium	ND	1		0.839		mg/L	84			75-125		
Calcium	160	20		191		mg/L	155			75-125		NC
Chromium	ND	1		0.932		mg/L	93			75-125		
Copper	ND	1		0.940		mg/L	94			75-125		
Iron	0.051	1		1.05		mg/L	100			75-125		
Lead	ND	1		0.847		mg/L	85			75-125		
Magnesium	107	20		140		mg/L	165			75-125		NC
Nickel	ND	1		0.859		mg/L	86			75-125		
Silver	ND	1		0.829		mg/L	83			75-125		
Sodium	206	20		235		mg/L	145			75-125		NC
Zinc	ND	1		0.897		mg/L	90			75-125		

QCBatchID:	QC1208579	**Analyst:**	npham	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208579MB1					
BOD	ND	mg/L	3	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208579LCS1											
BOD	198		203		mg/L	103			84.6-115.4		

QCBatchID:	QC1208581	**Analyst:**	npham	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208581DUP1						**Source: 421139-001**
pH	7.02	7.00	SU	0.3	20	
Temp. at Time of pH Measurement	10.6	10.5	°C	0.9	20	

QCBatchID:	**QC1208589**	**Analyst:**	npham	**Method:**	SM 2540-C
Matrix:	Water	**Analyzed:**	11/09/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208589MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208589LCS1											
Total Dissolved Solids	95		97.0		mg/L	102			90-110		

QCBatchID: QC1208591 **Analyst:** npham **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208591MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208591LCS1											
Chlorine, Total Residual	1		1.04		mg/L	104			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208591DUP1						**Source: 421153-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1208592**	**Analyst:**	npham	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208592DUP1						**Source: 421153-001**
Turbidity	0.21	0.21	NTU	0.0	20	

QCBatchID:	**QC1208594**	**Analyst:**	npham	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208594DUP1						**Source: 421139-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1208595**	**Analyst:**	npham	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208595DUP1						**Source: 421139-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1208605 **Analyst:** npham **Method:** SM 5540-C

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208605MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208605LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208605MS1, QC1208605MSD1												**Source: 421153-001**
MBAS	ND	1	1	0.95	0.95	mg/L	95	95	0.0	75-125	20	

QCBatchID: QC1208658 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208658MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	ND	mg/L	0.086	1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208658LCS1											
Bromide	15		14.7		mg/L	98			90-110		
Chloride	100		107		mg/L	107			90-110		
Nitrate, as Nitrogen	9.03		9.50		mg/L	105			90-110		
Nitrite, as Nitrogen	9.15		9.34		mg/L	102			90-110		
Sulfate	50		51.7		mg/L	103			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208658MS1, QC1208658MSD1												**Source: 421069-001**
Bromide	0.156	15	15	15.0	15.2	mg/L	99	100	1.3	80-120	20	
Chloride	74.3	100	100	169	170	mg/L	95	96	0.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.74	9.76	mg/L	108	108	0.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.57	8.56	mg/L	94	94	0.1	80-120	20	
Sulfate	16.5	50	50	67.2	67.7	mg/L	101	102	0.7	80-120	20	

QCBatchID:	**QC1208679**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	11/11/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208679MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208679DUP1						**Source: 420926-005**
Total Suspended Solids	648	636	mg/L	1.9	5	

QCBatchID: QC1208705 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208705MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208705LCS1											
Total Phosphorous as P	0.4		0.362		mg/L	91			80-120		
Total Phosphorous as PO4	1.23		1.110		mg/L	90			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208705MS1, QC1208705MSD1												**Source: 420981-003**
Total Phosphorous as P	0.032	0.4	0.4	0.453	0.455	mg/L	105	106	0.4	75-125	20	
Total Phosphorous as PO4	0.098	1.23	1.23	1.389	1.395	mg/L	105	105	0.4	75-125	20	

QCBatchID: QC1208707 **Analyst:** npham **Method:** EPA 1664A

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208707MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1208707LCS1, QC1208707LCSD1											
Non-Polar Oil and Grease	20	20	14.9	16.0	mg/L	75	80	7	64-132	34	
Total Oil and Grease	40	40	34.3	38.9	mg/L	86	97	13	78-114	18	

QCBatchID: QC1208712 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208712MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208712LCS1											
Ammonia, as Nitrogen	2.5		2.45		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208712MS1, QC1208712MSD1												**Source: 421170-001**
Ammonia, as Nitrogen	0.030	5	5	4.76	4.76	mg/L	95	95	11.7	80-120	20	

QCBatchID: QC1208789 **Analyst:** jbankhardts **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208789MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789MS1, QC1208789MSD1												**Source: 421045-004**
Total Kjeldahl Nitrogen	ND	12.5	12.5	13	12	mg/L	104	96	8.0	80-120	20	

QCBatchID: QC1208825 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208825MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208825LCS1											
Total Organic Carbon (TOC)	10		8.63		mg/L	86			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208825MS1, QC1208825MSD1												**Source: 421139-001**
Total Organic Carbon (TOC)	8.48	20	20	22.0	22.4	mg/L	68	70	1.8	80-120	20	M

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 42 1139				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KbrtalikK@rinconconsulants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
LAMW-5S						X	X	X	X	X	X	X	X			MC
SMBRP-9						X	X	X	X	X	X	X	X			MC
SMBRP-11						X	X	X	X	X	X	X	X			MC
SMBRP-12						X	X	X	X	X	X	X	X			MC
MCWP-MW04S						X	X	X	X	X	X	X	X			MC
MCWP-MW04D	11/7/19	1245	W			X	X	X	X	X	X	X	X			
MCWP-MW07S						X	X	X	X	X	X	X	X			MC
MCWP-MW07D						X	X	X	X	X	X	X	X			MC
MCWP-MW09						X	X	X	X	X	X	X	X			MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS, INC.	11/7/19 / 1543
[1] Received By:		Henri Gutierrez	EA	11/7/19 / 15:44
[2] Relinquished By:		Henri Gutierrez	EA	11/7/19 / 19:14
[2] Received By:			EA	11/7/19 1914
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu Quarterly

Date Received: 11/7/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/7/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu-Quarterly
PO# 15-01587

Lab Request: 420981
Report Date: 11/13/2019
Date Received: 11/05/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
420981-001	LAMW-5S
420981-002	SMBRP-9
420981-003	SMBRP-11
420981-004	MCWP-MW04S

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	
Sampled:	11/05/2019 10:15	**Site:**			
Sample #:	**420981-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.74**	1	0.04	0.4	mg/L		11/08/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**5.71**	1	0.03	0.4	mg/L		11/08/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	**2.8 J**	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.267**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208456
Chloride	**112**	1	0.086	1	mg/L	11/05/19	11/05/19 22:55	JP	
Nitrate + Nitrite, as Nitrogen	**4.97**	1	0.018	0.1	mg/L	11/05/19	11/05/19 22:55	JP	
Nitrate, as Nitrogen	**4.97**	1	0.012	0.1	mg/L	11/05/19	11/05/19 22:55	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/05/19	11/05/19 22:55	JP	
Sulfate	**81.5**	1	0.077	1	mg/L	11/05/19	11/05/19 22:55	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**0.743**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208448
Color	ND	1	5	5	Color Unit		11/05/19 17:10	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208449
Turbidity	**48**	1	0.074	0.1	NTU		11/05/19 17:10	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208539
Odor Threshold	ND	1	1	1	T.O.N		11/05/19 17:10	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208584
Total Dissolved Solids	**496**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208599
Total Suspended Solids	**42.9**	1.54	0.77	0.77	mg/L	11/05/19	11/05/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208490
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/19 16:51	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208550
pH	**7.03**	1			SU	11/06/19 00:00	11/06/19 09:02	WW	T2
Temp. at Time of pH Measurement	**4.7**	1			°C	11/06/19 00:00	11/06/19 09:02	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208472
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/06/19	11/06/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208705
Total Phosphorous as P	**1.840**	20	0.2	0.4	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**5.64**	20	0.6	1.2	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208496
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 09:02	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**4.49**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**0.17**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208458
Fecal Coliform	**2**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	
Total Coliform	**330**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	
Sampled:	11/05/2019 09:45	**Site:**			
Sample #:	**420981-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.66**	1	0.04	0.4	mg/L		11/08/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.06**	1	0.03	0.4	mg/L		11/08/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	**1.7 J**	1.05	1.47	5.25	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.559**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208456
Chloride	**105**	1	0.086	1	mg/L	11/05/19	11/05/19 23:15	JP	
Nitrate + Nitrite, as Nitrogen	**1.40**	1	0.018	0.1	mg/L	11/05/19	11/05/19 23:15	JP	
Nitrate, as Nitrogen	**1.40**	1	0.012	0.1	mg/L	11/05/19	11/05/19 23:15	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/05/19	11/05/19 23:15	JP	
Sulfate	**176**	10	0.77	10	mg/L	11/05/19	11/06/19 01:11	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**0.657**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208448
Color	ND	1	5	5	Color Unit		11/05/19 17:10	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208449
Turbidity	**190**	1	0.074	0.1	NTU		11/05/19 17:10	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208539
Odor Threshold	ND	1	1	1	T.O.N		11/05/19 17:10	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208584
Total Dissolved Solids	**1020**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208599
Total Suspended Solids	**327**	4	2	2	mg/L	11/05/19	11/05/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208490
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/19 16:51	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208550
pH	**7.21**	1			SU	11/06/19 00:00	11/06/19 09:10	WW	T2
Temp. at Time of pH Measurement	**5**	1			°C	11/06/19 00:00	11/06/19 09:10	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208472
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/06/19	11/06/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208705
Total Phosphorous as P	**0.025**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.077**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208496
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 09:10	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**23.0**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**0.094**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208458
Fecal Coliform	**6.3**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	
Total Coliform	**33**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	
Sampled:	11/05/2019 11:45	**Site:**			
Sample #:	**420981-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**3.00**	1	0.04	0.4	mg/L		11/08/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**6.01**	1	0.03	0.4	mg/L		11/08/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	**2.0 J**	1.05	1.47	5.25	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.614**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208456
Chloride	**297**	10	0.86	10	mg/L	11/05/19	11/06/19 01:31	JP	
Nitrate + Nitrite, as Nitrogen	**3.01**	1	0.018	0.1	mg/L	11/05/19	11/06/19 01:31	JP	
Nitrate, as Nitrogen	**3.01**	1	0.012	0.1	mg/L	11/05/19	11/05/19 23:34	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/05/19	11/05/19 23:34	JP	
Sulfate	**389**	10	0.77	10	mg/L	11/05/19	11/06/19 01:31	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**3.0**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208448
Color	ND	1	5	5	Color Unit		11/05/19 17:10	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208449
Turbidity	**51**	1	0.074	0.1	NTU		11/05/19 17:10	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208539
Odor Threshold	ND	1	1	1	T.O.N		11/05/19 17:10	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208584
Total Dissolved Solids	**1210**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208599
Total Suspended Solids	**91.2**	2.5	1.25	1.25	mg/L	11/05/19	11/05/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208490
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/19 16:51	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208550
pH	**6.72**	1			SU	11/06/19 00:00	11/06/19 09:08	WW	T2
Temp. at Time of pH Measurement	**4.9**	1			°C	11/06/19 00:00	11/06/19 09:08	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208472
Ammonia, as Nitrogen	**1.50**	1	0.01	0.1	mg/L	11/06/19	11/06/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208705
Total Phosphorous as P	**0.032**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.098**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208496
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 09:08	WW	
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**8.45**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**0.20**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208458
Fecal Coliform	**<1**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	
Total Coliform	**19**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	
Sampled:	11/05/2019 11:00	**Site:**			
Sample #:	**420981-004**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.4	mg/L		11/08/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.61**	1	0.03	0.4	mg/L		11/08/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1208547
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1208504
Boron	**1.60**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208456
Chloride	**606**	10	0.86	10	mg/L	11/05/19	11/06/19 01:50	JP	
Nitrate + Nitrite, as Nitrogen	**1.41**	1	0.018	0.1	mg/L	11/05/19	11/06/19 01:50	JP	
Nitrate, as Nitrogen	**1.41**	1	0.012	0.1	mg/L	11/05/19	11/06/19 00:33	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/05/19	11/06/19 00:33	JP	
Sulfate	**2550**	50	3.85	50	mg/L	11/05/19	11/06/19 11:30	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1208448
Color	ND	1	5	5	Color Unit		11/05/19 17:10	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1208449
Turbidity	**5.0**	1	0.074	0.1	NTU		11/05/19 17:10	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1208539
Odor Threshold	ND	1	1	1	T.O.N		11/05/19 17:10	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1208584
Total Dissolved Solids	**5050**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1208599
Total Suspended Solids	**3.1**	1.11	0.555	0.555	mg/L	11/05/19	11/05/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1208490
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/19 16:51	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1208550
pH	**7.30**	1			SU	11/06/19 00:00	11/06/19 09:12	WW	T2
Temp. at Time of pH Measurement	**4.4**	1			°C	11/06/19 00:00	11/06/19 09:12	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208472
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/06/19	11/06/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208705
Total Phosphorous as P	**0.320**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.981**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1208496
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 09:12	WW	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**27.5**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1208557
MBAS	**0.15**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208458
Fecal Coliform	**<1**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	
Total Coliform	**25**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	

QCBatchID:	**QC1208448**	**Analyst:**	Echavez	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	11/05/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208448DUP1						**Source: 420969-001**
Color	5	5	Color Unit	0.0	20	

QCBatchID:	**QC1208449**	**Analyst:**	Echavez	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	11/05/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208449DUP1						**Source: 420969-001**
Turbidity	8800	8600	NTU	2.3	20	

QCBatchID: QC1208456 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/05/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208456MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208456LCS1											
Bromide	15		14.8		mg/L	99			90-110		
Chloride	100		107		mg/L	107			90-110		
Nitrate, as Nitrogen	9.03		9.46		mg/L	105			90-110		
Nitrate, as NO3	40		41.9		mg/L	105			90-110		
Nitrite, as Nitrogen	9.15		9.30		mg/L	102			90-110		
Sulfate	50		51.8		mg/L	104			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208456MS1, QC1208456MSD1												**Source: 421018-001**
Bromide	0.170	15	15	15.1	15.1	mg/L	100	100	0.0	80-120	20	
Chloride	77.7	100	100	169	170	mg/L	91	92	0.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.45	9.58	mg/L	105	106	1.4	80-120	20	
Nitrate, as NO3	ND	40	40	41.8	42.5	mg/L	105	106	1.7	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.66	8.75	mg/L	95	96	1.0	80-120	20	
Sulfate	15.3	50	50	65.8	66.0	mg/L	101	101	0.3	80-120	20	

QCBatchID: QC1208472 **Analyst:** Echavez **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208472MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208472LCS1											
Ammonia, as Nitrogen	2.5		2.56		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208472MS1, QC1208472MSD1												**Source: 420782-001**
Ammonia, as Nitrogen	ND	2.5	2.5	2.57	2.54	mg/L	103	102	1.2	80-120	20	

QCBatchID: QC1208488 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208488MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208488LCS1											
Total Organic Carbon (TOC)	10		9.44		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208488MS1, QC1208488MSD1												**Source: 420789-002**
Total Organic Carbon (TOC)	14.0	20	20	33.2	34.2	mg/L	96	101	3.0	80-120	20	

QCBatchID: QC1208490	**Analyst:** npham	**Method:** SM 4500-Cl	
Matrix: Water	**Analyzed:** 11/06/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208490MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208490LCS1											
Chlorine, Total Residual	1		0.94		mg/L	94			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208490DUP1						**Source: 421048-002**
Chlorine, Total Residual	3.97	3.79	mg/L	4.6	20	

QCBatchID:	**QC1208496**	**Analyst:**	npham	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208496MB1					
BOD	ND	mg/L	3	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208496LCS1											
BOD	198		182		mg/L	92			84.6-115.4		

QCBatchID: QC1208504 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208504MB1					
Aluminum	ND	mg/L	0.033	0.05	
Arsenic	ND	mg/L	0.009	0.01	
Barium	ND	mg/L	0.002	0.01	
Boron	ND	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.002	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.008	0.01	
Lead	ND	mg/L	0.007	0.01	
Manganese	ND	mg/L	0.006	0.01	
Nickel	ND	mg/L	0.004	0.01	
Potassium	ND	mg/L	0.167	0.5	
Silver	ND	mg/L	0.005	0.005	
Sodium	ND	mg/L	0.119	0.5	
Zinc	ND	mg/L	0.017	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504LCS1											
Aluminum	2		2.03		mg/L	102			85-115		
Arsenic	2		1.81		mg/L	91			85-115		
Barium	2		1.91		mg/L	96			85-115		
Boron	2		1.84		mg/L	92			85-115		
Cadmium	2		1.86		mg/L	93			85-115		
Chromium	2		1.89		mg/L	95			85-115		
Copper	2		1.80		mg/L	90			85-115		
Lead	2		1.78		mg/L	89			85-115		
Manganese	2		2.03		mg/L	102			85-115		
Nickel	2		1.85		mg/L	93			85-115		
Potassium	38		35.9		mg/L	94			85-115		
Silver	1		0.916		mg/L	92			85-115		
Sodium	20		19.6		mg/L	98			85-115		
Zinc	2		1.99		mg/L	100			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504MS1												**Source: 420955-001**
Aluminum	1.62	1		2.64		mg/L	102			75-125		
Arsenic	ND	1		1.11		mg/L	111			75-125		
Barium	0.026	1		0.970		mg/L	94			75-125		
Boron	7.10	1		8.46		mg/L	136			75-125		NC
Cadmium	0.158	1		1.11		mg/L	95			75-125		
Chromium	ND	1		0.908		mg/L	91			75-125		
Copper	ND	1		0.898		mg/L	90			75-125		
Lead	ND	1		0.979		mg/L	98			75-125		
Manganese	ND	1		0.970		mg/L	97			75-125		
Nickel	0.688	1		1.66		mg/L	97			75-125		
Potassium	3870	29		4220		mg/L	1207			75-125		NC
Silver	ND	1		0.955		mg/L	96			75-125		
Sodium	7760	20		7870		mg/L	550			75-125		NC
Zinc	0.431	1		1.52		mg/L	109			75-125		

QCBatchID: QC1208504 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504MS2												**Source: 421053-002**
Aluminum	2.70	1		3.55		mg/L	85			75-125		
Arsenic	ND	1		0.948		mg/L	95			75-125		
Barium	0.069	1		0.953		mg/L	88			75-125		
Boron	0.333	1		1.22		mg/L	89			75-125		
Cadmium	ND	1		0.830		mg/L	83			75-125		
Chromium	0.010	1		0.880		mg/L	87			75-125		
Copper	ND	1		0.863		mg/L	86			75-125		
Lead	ND	1		0.834		mg/L	83			75-125		
Manganese	0.505	1		1.48		mg/L	98			75-125		
Nickel	0.009	1		0.842		mg/L	83			75-125		
Potassium	5.66	29		31.7		mg/L	90			75-125		
Silver	ND	1		0.864		mg/L	86			75-125		
Sodium	213	20		208		mg/L	0			75-125		NC
Zinc	0.023	1		0.895		mg/L	87			75-125		

QCBatchID:	**QC1208539**	**Analyst:**	npham	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	11/05/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208539DUP1						**Source: 420981-004**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1208547	**Analyst:** Echavez	**Method:** EPA 1664A	
Matrix: Water	**Analyzed:** 11/07/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208547MB1					
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208547LCS1, QC1208547LCSD1											
Total Oil and Grease	40	40	35.7	37.0	mg/L	89	93	4	78-114	18	

QCBatchID:	QC1208550	**Analyst:**	npham	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208550DUP1						**Source: 420981-004**
pH	7.30	7.31	SU	0.1	20	
Temp. at Time of pH Measurement	4.4	4.5	°C	2.2	20	

QCBatchID: QC1208557 **Analyst:** npham **Method:** SM 5540-C

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208557MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208557LCS1											
MBAS	1		1.1		mg/L	110			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208557MS1, QC1208557MSD1												**Source: 421057-001**
MBAS	ND	1	1	1.0	1.0	mg/L	100	100	0.0	75-125	20	

QCBatchID: QC1208561 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208561MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208561LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208561MS1, QC1208561MSD1												**Source: 420909-001**
Total Kjeldahl Nitrogen	1.3	12.5	12.5	13	14	mg/L	94	102	7.4	80-120	20	

QCBatchID: QC1208584 **Analyst:** npham **Method:** SM 2540-C

Matrix: Water **Analyzed:** 11/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208584MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208584LCS1											
Total Dissolved Solids	95		97.0		mg/L	102			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208584DUP1						**Source: 420981-004**
Total Dissolved Solids	5050	5040	mg/L	0.2	5	

QCBatchID:	**QC1208599**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	11/05/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208599MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208599DUP1						**Source: 420981-002**
Total Suspended Solids	327	314	mg/L	4.1	5	

QCBatchID: QC1208705 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208705MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208705LCS1											
Total Phosphorous as P	0.4		0.362		mg/L	91			80-120		
Total Phosphorous as PO4	1.23		1.110		mg/L	90			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208705MS1, QC1208705MSD1												**Source: 420981-003**
Total Phosphorous as P	0.032	0.4	0.4	0.453	0.455	mg/L	105	106	0.4	75-125	20	
Total Phosphorous as PO4	0.098	1.23	1.23	1.389	1.395	mg/L	105	105	0.4	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 47098	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	MICHELLE CARTER

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
LAMW-5S	11/5/19	1015	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-9	11/5/19	0945	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-11	11/5/19	1145	W			X	X	X	X	X	X	X	X	X	X	
~~SMBRP-12~~						X	X	X	X	X	X	X	X	X	X	MC
MCWP-MW04S	11/5/19	1100	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSUTANTS, INC	11/5/19 / 1349
[1] Received By:		Henri Gutierrez	EA	11/5/19 / 13:52
[2] Relinquished By:		Henri Gutierrez	EA	11/5/19 / 14:00
[2] Received By:		GKM	CA	11/5/19 1900
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No:	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 2 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
LAMW-5S	11/5/19	1015	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-9	11/5/19	0945	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-11	11/5/19	1145	W			X	X	X	X	X	X	X	X	X	X	
~~SMBRP-12~~						X	X	X	X	X	X	X	X	X	X	MC
MCWP-MW04S	11/5/19	1100	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	RINCON CONSULTANTS INC	11/5/19 / 1348
[1] Received By:		Henri Gutierrez	EA	11/5/19 / 13:50
[2] Relinquished By:		Henri Gutierrez	EA	11/5/19 / 19:00
[2] Received By:		S Kim	EA	11/5/19 1900
[3] Relinquished By:				
[3] Received By:				

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No:				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	3	of	3	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 608 Pest/PCBs	Test Instructions / Comments
LAMW-5S	11/5/19	1015	W			X	X	
SMBRP-9	11/5/19	0945	W			X	X	
SMBRP-11	11/5/19	1145	W			X	X	
~~SMBRP-12~~						~~X~~	~~X~~	MC
MCWP-MW04S	11/5/19	1100	W			X	X	
~~MCWP-MW04D~~						~~X~~	~~X~~	MC
~~MCWP-MW07S~~						~~X~~	~~X~~	MC
~~MCWP-MW07D~~						~~X~~	~~X~~	MC
~~MCWP-MW09~~						~~X~~	~~X~~	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	RINCON CONSULTANTS, INC.	11/5/19 / 1348
[1] Received By:		Henri Gutierrez	EA	11/5/19 / 13:50
[2] Relinquished By:		Henri Gutierrez	EA	11/5/19 / 19:00
[2] Received By:		6 Kim	EA	11/5/19 1900
[3] Relinquished By:				
[3] Received By:				

1 of 2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultant Project: Malibu Quarterly

Date Received: 11/5/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

The COC is the incorrect project.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/5/19

Table of Contents

1 Introduction 3

2 Background 3

3 Geologic and Hydrogeologic Setting 5
- 3.1 Hydrology 5
- 3.2 Geology 5
- 3.3 Hydrogeology 5

4 Activities Completed During 2019 6

5 Groundwater Elevations and Gradients 6
- 5.1 Shallow Zone 6
- 5.2 Deep Zone 7
- 5.3 Winter Canyon 7

6 Water Quality Sampling Analysis 7
- 6.1 Surface Water 7
  - 6.1.1 Sampling Methodology 7
  - 6.1.2 Laboratory Analyses 8
- 6.2 Groundwater 9
  - 6.2.1 Sampling Methodology 9
  - 6.2.2 Laboratory Analyses 10
- 6.3 Analytical Laboratory QA/QC 11

7 Scheduled Activities for 2020 11

8 Summary of Monitoring Activities 11
- 8.1 Groundwater Elevations 11
- 8.2 Surface Water Quality 12
- 8.3 Groundwater Quality 12

9 Limitations 12

10 References 14

Tables

Table 1 Groundwater Elevations

Table 2 Long-Term Groundwater and Surface Water Analytical Matrix

Table 3 Surface Water Analytical Results

Table 4 Groundwater Analytical Results

Figures

Figure 1 Vicinity Map
Figure 2 Site Map – Civic Center Area
Figures 3a-l Groundwater Elevations January – December 2019
Figure 4 The Nitrogen Cycle

Appendices

Appendix A Groundwater and Surface Water Field Sheets
Appendix B Laboratory Analytical Reports

1 Introduction

This report presents the results of the 2019 reporting period for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California (Figure 1). The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts because of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

This report was prepared by Rincon Consultants, Inc. (Rincon) and presents the geologic and hydrogeologic setting, groundwater elevations and gradient, surface water and groundwater sampling methodologies, and water quality data results.

2 Background

On-site wastewater disposal systems (OWDS) have allegedly contributed to the non-point source pollution of Malibu Creek and Lagoon located in the Civic Center Area of the City of Malibu (Figure 2). The City of Malibu has designed and constructed a new wastewater treatment facility to comply with regulatory actions taken by the Los Angeles Regional Water Quality Control Board (LARWQCB) and the State Water Resources Control Board (SWRCB) to prohibit discharges from OWDS in the Civic Center area.

To establish baseline groundwater and surface water quality conditions prior to operation and discharge of treated wastewater, the LARWQCB required basin-wide, baseline groundwater and surface water monitoring. The water quality monitoring program was driven by several factors:

- Timelines established through regulatory action
- Proposed programs to fulfill anticipated future regulatory requirements associated with the development of the CCWTF
- The distribution of Title 22 Recycled Water in the Prohibition area
- Protection of the Malibu Valley Groundwater Basin, Malibu Creek, Malibu Lagoon, and the near shore environment of Santa Monica Bay

Following activation of the CCWTF operations, baseline monitoring activities (Task I) were completed and long-term monitoring activities (Task II) were triggered. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and landscape irrigation or percolation, may have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

The basin-wide long-term monitoring program consists of four of the original five water quality monitoring tasks that occur in the Civic Center area of the City of Malibu. All five monitoring tasks were designed to provide a comprehensive basin-wide groundwater and surface water monitoring program. Below is a general description of each task.

Task I – Baseline Groundwater and Surface Water Quality Monitoring of the Civic Center Area *(Completed)*

The baseline groundwater and surface water quality monitoring task involved monitoring groundwater in nine (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) locations. The objective of this task was to develop baseline, ambient shallow and deep groundwater, and surface water conditions prior to the implementation of the CCWTF, as required by the Monitoring and Reporting Program (MRP) No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task II – Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area

The long-term groundwater and surface water quality monitoring task involves monitoring groundwater in nine (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) locations. The objective of long-term monitoring is to identify impacts, if any, that land disposal of recycled water, via injection and landscape irrigation or percolation, have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon and to comply with the project-specific Waste Discharge Requirement (WDR). The mix of shallow and deeper monitoring wells were chosen to provide adequate spatial and vertical coverage of the basin near the CCWTF injection to monitor for potential adverse impacts. The nine (9) groundwater monitoring wells and ten (10) surface water sampling locations identified in Task II are sampled on a quarterly basis after CCWTF operations commence. This sampling is required by the MRP No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task III – Salt and Nutrient Management Plan Monitoring Program

The Salt and Nutrient Management Plan (SNMP) monitoring program branches from the baseline and long-term groundwater and surface water monitoring programs described above (Tasks I and II). Task III involves performing semi-annual groundwater monitoring at sixteen (16) groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City and in a small area in unincorporated Los Angeles County. The objective of the SNMP is to monitor potential impacts that recycled water, introduced through irrigation and injection, may have on the Malibu Groundwater Basin. The SNMP also provides data to assess the various phases of the CCWTF implementation during the time that the collection system and treatment plant connections increase, and as OWDS-related discharges cease (RMC Water 2015a).

Task IV – Memorandum of Understanding Compliance Monitoring

Compliance with the Memorandum of Understanding (MOU) the City has with the LARWQCB corresponds with baseline and long-term groundwater and surface water monitoring programs described in Tasks I through III above. Task IV involves performing semi-annual monitoring at fourteen (14) groundwater wells located in the City's Civic Center area. The objective of the MOU is to monitor for potential impacts to the Shallow Alluvium because of CCTWF implementation (LARWQCB 2014).

Task V – Civic Center Groundwater Elevation Monitoring Program

The groundwater elevation monitoring program assesses the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon. The objective of this task is to provide an understanding

of the groundwater elevation conditions in the Civic Center Area, including elevation trends related to precipitation, tidal, and lagoon influences (LARWQCB 2015).

3 Geologic and Hydrogeologic Setting

3.1 Hydrology

The project is in the Los Angeles hydrologic region, as defined by the LARWQCB. The Los Angeles hydrologic region encompasses all coastal drainages flowing to the Pacific Ocean between Rincon Point and the eastern Los Angeles County line. The study area covers the Malibu Creek and Winter Canyon Creek watersheds. Most of the study area addressed in this report is located within the 109–square-mile Malibu Creek watershed, which is the second largest watershed draining to the Santa Monica Bay. The Malibu Creek watershed contains mostly undeveloped mountain areas, residential properties, and natural streams (LARWQCB 2011). Malibu Lagoon, a 13-acre brackish estuary, is located at the terminus of the Malibu Creek watershed and is one of only two remaining coastal marshes in Los Angeles County.

3.2 Geology

The study area is located within the Santa Monica Mountains in the northwestern corner of the Los Angeles basin. The study area lies at the juncture of the Peninsular Ranges geomorphic province, consisting of a northwest-oriented structural grain, and the Transverse Ranges geomorphic province, which features a predominantly east-west-oriented structural grain.

The 45-mile-long Santa Monica Mountains range is part of the southernmost portion of the western Transverse Ranges province. It forms an east-west range of low mountains along the southern California Coast from the Oxnard Plain to Los Angeles. The Santa Monica Mountain range is characterized by long, south-draining canyons on its south flank and short, north-draining canyons on its north flank. The Malibu Canyon and Winter Canyon are two canyons in the study area that drain south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (DWR groundwater basin no. 4-22) is a 613-acre alluvial basin. The groundwater basin is bounded by the Pacific Ocean to the south and the Santa Monica Mountains to the north, east, and west. The basin is composed of non-water-bearing Tertiary age rocks.

Water bearing geologic formations in the Malibu Valley Groundwater Basin include Holocene alluvium, consisting of clays, silts, sands, and gravels overlying impermeable bedrock. The unconsolidated alluvium in the Civic Center area by Malibu Creek and other small drainages is estimated to range in thickness from a thin layer near the valley walls to about 175 feet in the central part of the main body of the alluvium.

The alluvium can be subdivided into three categories or zones: 1) a shallow zone of permeable alluvial sediments, 2) underlain by a sequence of fine-grained estuarine deposits, and 3) an

underlying coarse-grained stratum commonly referred to as the "Civic Center Gravels" (GeoSoils 1989, Leighton 1994, ECI 200, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 13 feet below grade and is deeper in the upland canyon areas.

4 Activities Completed During 2019

The following activities were completed during the 2019 reporting period:

- Rincon prepared the Fourth Quarter 2018, Annual 2018, First Quarter 2019, Second Quarter 2019, and Third Quarter 2019 Groundwater and Surface Water Monitoring Reports for City submittal to the LARWQCB
- Rincon collected and analyzed groundwater and surface water samples for WDR/MRP compliance (Task II) during each quarter of 2019
- Rincon collected and analyzed groundwater samples for SNMP (Task III) and MOU (Task IV) compliance during the second and third quarters of 2019
- Rincon measured depth to water in the groundwater monitoring wells monthly throughout the 2019 reporting period (Task V)

5 Groundwater Elevations and Gradients

Rincon mobilized to 46 groundwater monitoring wells on a monthly basis to measure the depth to water using an electronic water level indicator throughout the 2019 reporting period (Table 1 and Appendix A). Of the 46 groundwater monitoring wells, two of the wells were unable to be located (MBCMW-5 and MBCMW-6), one well was reported to be buried (GH9-M4), and one was reported dry (SMBRP-15B). Of the 43 groundwater monitoring wells that were measured, seven of the wells do not have elevation data for the top of well casing and one well was dry during 2019 (SMBRP-15B). Therefore, groundwater elevations could not be calculated in these eight groundwater wells.

5.1 Shallow Zone

Groundwater elevations ranged from 1.34 feet above mean sea level (amsl) in CCPE to 24.25 feet amsl in SMBRP-8 (ECI-RC-MW01) (Table 1). Groundwater elevations decreased a maximum of 2.26 feet amsl in MBCMW-7 and increased a maximum of 2.06 feet amsl in CCPE from January to December 2019.

Groundwater monitoring wells in close proximity to Malibu Lagoon and Creek (C-1, C-2, CCPNE, CCPE, CCPSW, P-4, P-9, MCWP-MW10, SMBRP-2, and SMBRP-6) mostly recorded the largest groundwater elevation fluctuations; seasonal variability (precipitation) and Malibu Creek and Lagoon upstream hydrological contributions appear to strongly influence these shallow

groundwater wells. Groundwater elevations increased in all of these groundwater monitoring wells between January and December 2019, with the exception of C-2, CCPNE, and P-9.

In the vicinity of the Civic Center Way and Stuart Ranch Road, groundwater elevations increased in MBCMW-8, MCWP-MW04S, and SMBRP-10C and decreased in MBCMW-7 and SMBRP-16. Further south towards the coastline, groundwater elevations increased in SMBRP-12 and MCWP-MW08 and decreased in MCWP-MW07S and SMBRP-13.

An annual average groundwater gradient of 0.0047 feet/foot was calculated using monthly groundwater gradients derived from groundwater monitoring wells SMBRP-2, SMBRP-9, and SMBRP-12. The predominant direction of groundwater flow was south-southeast. Elevation data and flow direction are shown on Figures 3a through 3l.

5.2 Deep Zone

Groundwater elevations ranged from 4.50 feet amsl in MCWP-MW07D to 11.39 feet amsl in MCWP-MW09 (Table 1). Groundwater elevations increased in all deep groundwater monitoring wells when comparing groundwater elevations between January and December, with the exception of MCWP-MW02 which decreased 0.84 feet. In the remaining seven wells, groundwater elevations increased a maximum of 1.06 feet amsl in MCWP-MW07 and increased a minimum of 0.41 feet amsl in MCWP-MW01 and MCWP-MW05 from January to December 2019.

5.3 Winter Canyon

The groundwater elevations for the Winter Canyon groundwater monitoring locations ranged from 9.65 feet amsl at SMBRP-11 to 58.65 feet amsl in LAMW-5S between January and December 2019 (Table 1). Both monitoring locations showed a decrease in groundwater elevations over the 2019 reporting period. The groundwater elevations at SMBRP-11 and LAMW-5S decreased by 1.08 and 1.23 feet, respectively.

6 Water Quality Sampling Analysis

The surface water and groundwater samples collected during 2019 were transported under chain-of-custody documentation to Enthalpy Analytical (Enthalpy), located in Orange, California. All surface water and groundwater monitoring locations and corresponding laboratory analyses are shown in the Groundwater and Surface Water Analytical Matrix (Table 2). The analytical laboratory results for all samples collected in 2019 are shown in Tables 3 and 4. Laboratory reports are included as Appendix B of this report.

6.1 Surface Water

6.1.1 Sampling Methodology

A total of ten (10) surface water samples were collected during each quarterly surface water monitoring event. All surface water samples were collected up-current of the sampling person's

body to minimize potential contamination of the surface water samples with bacteria originating from field personnel. Surface water samples were collected directly into lab-supplied containers when possible, or into a clean field sampling container and then transferred into preserved and non-preserved containers supplied by Enthalpy. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in a cooler and delivered via courier to Enthalpy under chain-of-custody documentation.

Near Shore

During each monitoring event, four (4) ocean water samples were collected from the Near Shore area along Malibu Road (N-001 through N-004). Surface water samples were collected from each location at a depth of approximately 3-6 inches (ankle deep).

Malibu Lagoon and Creek

During each monitoring event, six (6) surface water samples were collected from the Malibu Lagoon and Creek (L-001 through L-006). Surface water samples were collected from each location at a depth of approximately twelve inches below the surface of the water.

6.1.2 Laboratory Analyses

Total Coliform

In the Near Shore surface water, total coliform concentrations ranged from 41 Most Probable Number per 100 milliliters (MPN/100 mL) at N-001 to above the laboratory upper detection limit of 2,400 MPN/100 mL in four (4) samples. The average total coliform concentration in the Near Shore surface water was 1,314 MPN/100 mL.

In the Malibu Lagoon and Creek surface water, total coliform concentrations exceeded the laboratory upper detection limit of 2,400 MPN/100 mL in each sample collected during 2019, with the exception of L-001 during the second quarter of 2019 (2,000 MPN/100 mL) and L-005 during the fourth quarter of 2019 (less than the reporting detection limit [reporting limit] of 1.0 MPN/100 mL).

Fecal Coliform

In the Near Shore surface water, fecal coliform concentrations ranged from less than the reporting limit of 1.0 MPN/100 mL in 10 samples to 32 MPN/100 mL at N-003. The average fecal coliform concentration in the Near Shore surface water was 4.7 MPN/100 mL[1].

In the Malibu Lagoon and Creek surface water, fecal coliform concentrations ranged from less than the reporting limit of 1.0 MPN/100 mL at L-005 to 1,300 MPN/100 mL at L-006. The average fecal coliform concentration in the Malibu Lagoon and Creek surface water was 238.6 MPN/100 mL.

Nitrogen

Nitrate as Nitrogen

In the Near Shore surface water, nitrate as nitrogen was not detected above the RDL in any of the samples collected during 2019.

[1] For this report, a value of half the reporting limit was used to calculate average concentrations for results below the reporting limit.

In the Malibu Lagoon and Creek surface water, detected nitrate as nitrogen concentrations ranged from 0.05 mg/L at L-006 to 4.73 mg/L at L-001. Nitrate as nitrogen concentrations exceeded the reporting limit of 0.012 mg/L in 13 out of 24 samples collected during 2019.

Other Forms of Nitrogen

All nitrite as nitrogen concentrations in surface water samples collected at the Near Shore and Malibu Lagoon and Creek sampling locations during 2019 were not detected above the reporting limit, which ranged from 0.1 to 5.0 mg/L.

In the Near Shore surface water, organic nitrogen concentrations in 2019 were only detected above the reporting limit, ranging from 0.040 to 0.5 mg/L, at N-004 (0.12 mg/L) sample in the first quarter of 2019 and N-001 (0.060 mg/L) and N-002 (0.120 mg/L) in the fourth quarter of 2019. In the Malibu Lagoon and Creek surface water, organic nitrogen concentrations ranged from less than the reporting limit of 0.040 mg/L at L-001 to 3.7 mg/L at L-006. An average concentration of 0.769 mg/L was calculated for all surface water samples collected from Malibu Lagoon and Creek.

Ammonia (NH_3^+) is the primary form of nitrogen in OWDS effluent, and it is converted to nitrate during the leaching process through the vadose zone (Figure 4). Ammonia (as nitrogen) in surface water samples was detected in six (6) samples in 2019. In the Near Shore surface water, ammonia (as nitrogen) was detected at N-001 and N-002 at concentrations of 0.098 mg/L and 0.038 mg/L, respectively. In the Malibu Lagoon and Creek surface water, ammonia (as nitrogen) was detected at L-001, L-004, L-005, and L-006 at concentrations ranging from 0.017 mg/L to 0.070 mg/L during the reporting period of 2019.

Total Kjeldahl Nitrogen (TKN) concentrations in the Near Shore surface water samples collected in 2019 were detected in four (4) samples, ranging from 0.054 mg/L at N-001 to 0.124 mg/L at N-002. Detected concentrations of TKN in the Malibu Lagoon and Creek sampling locations ranged from 0.066 mg/L at L-003 to 3.7 mg/L at L-006.

Total Phosphorous

Total phosphorus was detected in 14 of 16 surface water samples collected at the Near Shore sampling locations in 2019, ranging from 0.022 mg/L at N-004 to 0.866 mg/L at N-003. Total phosphorus was detected above the reporting limit in all the Malibu Lagoon and Creek sampling locations, ranging from 0.051 mg/L at L-005 to 0.631 mg/L at L-006.

6.2 Groundwater

6.2.1 Sampling Methodology

A total of sixteen (16) groundwater monitoring wells were sampled during the first and third quarter of 2019 (Task II, III, and IV). A total of nine (9) wells were sampled during each quarter of 2019 (Task II). Prior to sampling, a minimum of three casing volumes were purged from each well using a submersible pump or by hand bailing. Purging stopped when consecutive water quality measurements (temperature, electrical conductivity, and pH) varied by less than 10% or until the well purged dry, whichever occurred first. Field equipment was decontaminated between each well. Purged groundwater and decontamination water were stored in a 500-gallon high-density polyethylene tank during field activities, and properly disposed at the CCWTF.

Once each well was purged, groundwater samples were collected using preserved and non-preserved containers supplied by Enthalpy. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in coolers pending delivery to Enthalpy. Field data are included in Appendix A.

6.2.2 Laboratory Analyses

Total Coliform

During the 2019 groundwater monitoring events, total coliform concentrations ranged from less than the reporting limit (1.0 MPN/100 mL) in two (2) samples to at or above the laboratory upper detection limit in eight (8) samples. Total coliform was also detected at a concentration of 4,000 MPN/100 mL at MCWP-MW10. The average total coliform concentration in the groundwater samples collected in 2019 was 756 MPN/100 mL[2].

Fecal Coliform

In groundwater samples collected during the 2019 reporting period, fecal coliform concentrations ranged from less than the reporting limit, ranging from 1.0 to 2.0 MPN/100 mL, in 24 of 46 samples to 2,000 MPN/100 mL in SMBRP-12. The average fecal coliform concentration in the groundwater samples collected in 2019 was 109.8 MPN/100 mL.

Nitrogen

Nitrate as Nitrogen

During the 2019 reporting period, nitrate as nitrogen in groundwater samples ranged from less than reporting limit of 0.012 mg/L in four (4) samples (three [3] wells) to 14.2 mg/L in LAMW-5S with an average concentration of 2.69 mg/L. LAMW-5S and SMBRP-9 had the highest detected nitrate as nitrogen concentrations throughout the reporting period.

Other forms of Nitrogen

Nitrite as nitrogen concentrations were only detected at SMBRP-11 (0.06 mg/L) during the second quarter of 2019.

Detected concentrations of organic nitrogen ranged from 0.050 mg/L in MCWP-MW09 to 34.6 mg/L in SMBRP-12, which is the highest concentration observed since monitoring activities began in the third quarter of 2015. The second highest concentration (3.60 mg/L) was observed at CCPE during the first quarter of 2017.

Ammonia (as nitrogen) concentrations were detected in 27 groundwater samples, ranging from 0.015 mg/L in MCWP-MW07S to 11.4 mg/L in SMBRP-12. Ammonia (as nitrogen) was detected in SMBRP-11, SMBRP-12, MCWP-MW07S, and MCWP-MW09 during each groundwater monitoring event.

TKN concentrations were detected in 43 of 46 groundwater samples, ranging 0.059 mg/L in LAMW-5S to 40 mg/L in SMBRP-12 with an average concentration of 2.35 mg/L.

[2] For this report, the upper detection limit was used calculate the average concentrations for results that exceeded the upper detection limit to.

Total Phosphorous

During the 2019 reporting period, total phosphorus concentrations were detected in each groundwater sample and ranged from 0.019 mg/L in SMBRP-9 to 3.88 mg/L in LAMW-5S with an average concentration of 0.57 mg/L.

Total Dissolved Solids

Total dissolved solids (TDS) concentrations in groundwater samples analyzed during the 2019 reporting period ranged from 78 mg/L in MCWP-MW07D to 6,150 mg/L in MBCMW-09 with an average concentration of 1,868 mg/L.

6.3 Analytical Laboratory QA/QC

Enthalpy performed quality assurance/quality control (QA/QC) measures including the recovery of surrogates. Enthalpy followed all QA/QC procedures per method requirements. The notes column of the analytical reports also has the QC flags. Any issues that are not covered by the qualifier flags (definitions page found below the analytical tables), are addressed as part of the case narrative. Any exceedances are indicated in the Case Narrative of the analytical laboratory report.

7 Scheduled Activities for 2020

The following activities will be completed during 2020:

- Conduct groundwater sampling activities at nine (9) groundwater monitoring wells and ten (10) surface water sampling locations on a quarterly basis (Task II).
- Collect and analyze groundwater for SNMP and MOU compliance (Tasks III and IV).
- Measure depth to water in the groundwater monitoring wells on a monthly basis (Task V).
- Rincon has prepared the Fourth Quarter 2019 Groundwater and Surface Water Monitoring Report and will prepare the First Quarter 2020 and Second Quarter 2020 Groundwater and Surface Water Monitoring Reports for City submittal to the LARWQCB.

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows south-southeast. Groundwater elevations increased in 18 of 25 of shallow wells, with an average change of 0.93 feet. In the vicinity of the Civic Center Way and Stuart Ranch Road, groundwater elevations increased in MBCMW-8, MCWP-MW04S, and SMBRP-10C and decreased in MBCMW-7 and SMBRP-16. Further south towards the coastline, groundwater elevations increased in SMBRP-12 and MCWP-MW08 and decreased in MCWP-MW07S and SMBRP-13.

Groundwater elevations increased in all deep groundwater monitoring wells, with the exception of MCWP-MW02, when comparing groundwater elevations between January and December 2019.

At Winter Canyon, the groundwater elevations at LAMW-5S and SMBRP-11 decreased between January and December 2019.

8.2 Surface Water Quality

Total coliform concentrations in the Near Shore surface water samples steadily increased from the first to fourth quarters of 2019, where concentrations exceeded the laboratory upper detection limit of 2,400 MPN/100 mL at N-001, N-002, and N-003. Total coliform concentrations in the Malibu Lagoon and Creek sampling locations exceeded the laboratory upper detection limit of 2,400 MPN/100 mL in all but two surface water samples collected during 2019.

In the Near Shore surface water, fecal coliform was not detected at N-004 during 2019 and was only detected once at N-001. The detected concentrations observed at N-001, N-002, and N-003 ranged from 1.0 to 32 MPN/100 mL. At the Malibu Lagoon and Creek sampling locations, fecal coliform was detected in every surface water sample collected in 2019, with the exception of L-005 during the fourth quarter of 2019.

Low concentrations of the various forms of nitrogen were observed at the Near Shore and Malibu Lagoon and Creek surface water sampling locations.

Phosphorous was detected in all surface water sample locations and average concentrations decreased compared to concentrations observed in 2018.

8.3 Groundwater Quality

Total coliform concentrations in groundwater monitoring well samples exceeded the upper limit concentration of 2,400 MPN/100 mL in eight (8) samples. The average total coliform concentration in the groundwater samples collected in 2019 was 756 MPN/100 mL.

Detections of fecal coliform were detected during each quarter of 2019 and were reported in 22 groundwater samples, with the maximum concentration observed in SMBRP-12 (2,000 MPN/100 mL). Fecal coliform was not detected in MCWP-MW04S or MCWP-MW04D during the 2019 reporting period.

Nitrate as nitrogen was detected in all sixteen groundwater monitoring wells and average concentrations decreased from 4.03 mg/L in 2018 to 2.69 mg/L in 2019.

Detectable levels of TDS were detected in all sixteen groundwater wells. Average TDS concentrations in groundwater samples decreased from an average of 2,156 mg/L in 2018 to 1,868 mg/L in 2019.

9 Limitations

This report has been prepared for and is intended for the exclusive use of the City of Malibu. The contents of this report should not be relied upon by any other party without the written consent of Rincon Consultants, Inc.

Our conclusions regarding the site are based on observations of existing site conditions, our interpretation of site usage information, and the results of a limited subsurface sampling and chemical testing program. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations intermediate to the locations sampled. Furthermore, conditions may change at any location as a function of time in response to natural conditions, chemical reactions, and other events. Conclusions regarding the condition of the site do not represent a warranty that all areas within the site are like those sampled.

10 References

Ambrose, Richard F. and Anthony R. Orme. 2000. Lower Malibu Creek and Lagoon Resource Enhancement and Management: Final Report to the California Coastal Conservancy.

Fugro West, Inc. 2005. A Steady-State Groundwater Flow Model for the Proposed Malibu-Lapaz Ranch Development. Prepared for Sterling Capital.

GeoSoils. 1989. Response to County of Los Angeles Geologic Review of 18.4 Acre Parcel NW of Cross Creek Road and Civic Center Way. April 17.

Geosyntec Consultants. 2007. Geotechnical Site Exploration and Interpretation of Subsurface Conditions, Malibu Legacy Park Site, Malibu, California. Report prepared for RMC Water and Environment. July 30.

Leighton and Associates, Inc. 1994. Report for Geotechnical Studies for Planning Purposes in the Civic Center Area, City of Malibu, California. Volumes I and II.

Los Angeles Regional Water Quality Control Board. 2011. State of the Watershed, Report on Water Quality, the Santa Monica Bay Watershed Management Area. Second Edition. November.

Los Angles Regional Water Quality Control Board. 2014. Memorandum of Understanding Between City of Malibu and the Regional Water Quality Control Board, Los Angeles Region and State Water Resources Control Board Regarding Phased Implementation of Basin Plan Amendment Prohibiting On-Site Wastewater Disposal Systems in the Malibu Civic Center Area.

Los Angles Regional Water Quality Control Board. 2015. Waste Discharge Requirements / Water Recycling Requirements for Malibu Civic Center Wastewater Treatment Facility – Phase I & II.

RMC Water. 2015a. Draft Salt Nutrient and Management Plan Malibu Valley Groundwater Basin.

RMC Water. 2015b. Draft Groundwater Management Plan Malibu Valley Groundwater Basin.

Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	1/3/2019	11.47	7.06	4.41
C-1	2/25/2019	11.47	7.70	3.77
C-1	3/21/2019	11.47	7.62	3.85
C-1	4/24/2019	11.47	7.59	3.88
C-1	5/7/2019	11.47	6.73	4.74
C-1	6/7/2019	11.47	6.40	5.07
C-1	7/22/2019	11.47	4.66	6.81
C-1	8/12/2019	11.47	4.89	6.58
C-1	9/13/2019	11.47	5.10	6.37
C-1	10/10/2019	11.47	5.19	6.28
C-1	11/4/2019	11.47	5.35	6.12
C-1	12/19/2019	11.47	7.04	4.43
C-2	1/3/2019	11.19	6.79	4.40
C-2	2/25/2019	11.19	7.50	3.69
C-2	3/21/2019	11.19	6.33	4.86
C-2	4/24/2019	11.19	7.25	3.94
C-2	5/7/2019	11.19	6.49	4.70
C-2	6/7/2019	11.19	6.30	4.89
C-2	7/22/2019	11.19	4.50	6.69
C-2	8/12/2019	11.19	4.71	6.48
C-2	9/13/2019	11.19	4.85	6.34
C-2	10/10/2019	11.19	5.11	6.08
C-2	11/4/2019	11.19	5.25	5.94
C-2	12/19/2019	11.19	7.10	4.09
CCPE	1/3/2019	12.94	10.41	2.53
CCPE	2/25/2019	12.94	11.60	1.34
CCPE	3/21/2019	12.94	8.00	4.94
CCPE	4/24/2019	12.94	10.60	2.34
CCPE	5/7/2019	12.94	9.66	3.28
CCPE	6/7/2019	12.94	7.81	5.13
CCPE	7/22/2019	12.94	4.83	8.11
CCPE	8/12/2019	12.94	5.42	7.52
CCPE	9/13/2019	12.94	5.81	7.13
CCPE	10/10/2019	12.94	5.74	7.20
CCPE	11/4/2019	12.94	5.81	7.13
CCPE	12/19/2019	12.94	8.35	4.59
CCPNE	1/3/2019	13.68	8.63	5.05
CCPNE	2/25/2019	13.68	9.22	4.46
CCPNE	3/21/2019	13.68	8.37	5.31
CCPNE	4/24/2019	13.68	9.32	4.36
CCPNE	5/7/2019	13.68	8.78	4.90
CCPNE	6/7/2019	13.68	8.20	5.48
CCPNE	7/22/2019	13.68	5.52	8.16
CCPNE	8/12/2019	13.68	6.10	7.58
CCPNE	9/13/2019	13.68	6.50	7.18
CCPNE	10/10/2019	13.68	6.40	7.28
CCPNE	11/4/2019	13.68	6.50	7.18
CCPNE	12/19/2019	13.68	8.67	5.01
CCPSW	1/3/2019	13.67	8.60	5.07
CCPSW	2/25/2019	13.67	8.65	5.02
CCPSW	3/21/2019	13.67	8.18	5.49

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPSW	4/24/2019	13.67	8.75	4.92
CCPSW	5/7/2019	13.67	8.25	5.42
CCPSW	6/7/2019	13.67	7.82	5.85
CCPSW	7/22/2019	13.67	4.45	9.22
CCPSW	8/12/2019	13.67	5.88	7.79
CCPSW	9/13/2019	13.67	6.33	7.34
CCPSW	10/10/2019	13.67	6.29	7.38
CCPSW	11/4/2019	13.67	6.35	7.32
CCPSW	12/19/2019	13.67	8.23	5.44
CCW-4	1/3/2019	15.77	6.71	9.06
CCW-4	2/25/2019	15.77	2.83	12.94
CCW-4	3/21/2019	15.77	2.93	12.84
CCW-4	4/24/2019	15.77	4.30	11.47
CCW-4	5/7/2019	15.77	4.62	11.15
CCW-4	6/7/2019	15.77	4.71	11.06
CCW-4	7/22/2019	15.77	5.14	10.63
CCW-4	8/12/2019	15.77	5.13	10.64
CCW-4	9/13/2019	15.77	5.38	10.39
CCW-4	10/10/2019	15.77	5.69	10.08
CCW-4	11/4/2019	15.77	5.94	9.83
CCW-4	12/19/2019	15.77	5.32	10.45
GH6-M1	1/3/2019	-	28.87	-
GH6-M1	2/25/2019	-	28.82	-
GH6-M1	3/21/2019	-	27.61	-
GH6-M1	4/24/2019	-	26.40	-
GH6-M1	5/7/2019	-	25.94	-
GH6-M1	6/7/2019	-	25.50	-
GH6-M1	7/22/2019	-	25.80	-
GH6-M1	8/12/2019	-	26.10	-
GH6-M1	9/13/2019	-	26.35	-
GH6-M1	10/10/2019	-	26.75	-
GH6-M1	11/4/2019	-	27.07	-
GH6-M1	12/19/2019	-	27.54	-
GH8-M3	1/3/2019	-	28.70	-
GH8-M3	2/25/2019	-	27.33	-
GH8-M3	3/21/2019	-	26.15	-
GH8-M3	4/24/2019	-	24.23	-
GH8-M3	5/7/2019	-	23.95	-
GH8-M3	6/7/2019	-	24.02	-
GH8-M3	7/22/2019	-	24.74	-
GH8-M3	8/12/2019	-	25.02	-
GH8-M3	9/13/2019	-	25.51	-
GH8-M3	10/10/2019	-	25.98	-
GH8-M3	11/4/2019	-	26.33	-
GH8-M3	12/19/2019	-	26.80	-
GH9-M4	1/3/2019	-	Buried	-
GH9-M4	2/25/2019	-	Buried	-
GH9-M4	3/21/2019	-	Buried	-
GH9-M4	4/24/2019	-	Buried	-
GH9-M4	5/7/2019	-	Buried	-
GH9-M4	6/7/2019	-	Buried	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
GH9-M4	7/22/2019	-	Buried	-
GH9-M4	8/12/2019	-	Buried	-
GH9-M4	9/13/2019	-	Buried	-
GH9-M4	10/10/2019	-	Buried	-
GH9-M4	11/4/2019	-	Buried	-
GH9-M4	12/19/2019	-	-	-
M6-1	1/3/2019	-	6.71	-
M6-1	2/25/2019	-	3.93	-
M6-1	3/21/2019	-	5.76	-
M6-1	4/24/2019	-	6.29	-
M6-1	5/7/2019	-	6.29	-
M6-1	6/7/2019	-	6.18	-
M6-1	7/22/2019	-	5.47	-
M6-1	8/12/2019	-	5.70	-
M6-1	9/13/2019	-	6.17	-
M6-1	10/10/2019	-	6.12	-
M6-1	11/4/2019	-	6.30	-
M6-1	12/19/2019	-	6.16	-
M6-2	1/3/2019	-	5.44	-
M6-2	2/25/2019	-	5.33	-
M6-2	3/21/2019	-	4.05	-
M6-2	4/24/2019	-	4.51	-
M6-2	5/7/2019	-	4.55	-
M6-2	6/7/2019	-	4.48	-
M6-2	7/22/2019	-	4.61	-
M6-2	8/12/2019	-	4.65	-
M6-2	9/13/2019	-	5.07	-
M6-2	10/10/2019	-	5.08	-
M6-2	11/4/2019	-	5.35	-
M6-2	12/19/2019	-	4.62	-
M7-1	1/3/2019	-	8.68	-
M7-1	2/25/2019	-	6.71	-
M7-1	3/21/2019	-	6.36	-
M7-1	4/24/2019	-	7.00	-
M7-1	5/7/2019	-	6.78	-
M7-1	6/7/2019	-	6.94	-
M7-1	7/22/2019	-	6.90	-
M7-1	8/12/2019	-	7.00	-
M7-1	9/13/2019	-	7.32	-
M7-1	10/10/2019	-	7.35	-
M7-1	11/4/2019	-	7.62	-
M7-1	12/19/2019	-	7.29	-
M7-2	1/3/2019	-	8.17	-
M7-2	2/25/2019	-	5.44	-
M7-2	3/21/2019	-	5.30	-
M7-2	4/24/2019	-	6.05	-
M7-2	5/7/2019	-	5.97	-
M7-2	6/7/2019	-	5.92	-
M7-2	7/22/2019	-	6.45	-
M7-2	8/12/2019	-	6.40	-
M7-2	9/13/2019	-	6.75	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M7-2	10/10/2019	-	6.87	-
M7-2	11/4/2019	-	7.15	-
M7-2	12/19/2019	-	6.49	-
MBCMW-7	1/3/2019	16.64	9.14	7.50
MBCMW-7	2/25/2019	16.64	11.65	4.99
MBCMW-7	3/21/2019	16.64	11.25	5.39
MBCMW-7	4/24/2019	16.64	11.90	4.74
MBCMW-7	5/7/2019	16.64	11.70	4.94
MBCMW-7	6/7/2019	16.64	11.62	5.02
MBCMW-7	7/22/2019	16.64	10.40	6.24
MBCMW-7	8/12/2019	16.64	10.62	6.02
MBCMW-7	9/13/2019	16.64	11.13	5.51
MBCMW-7	10/10/2019	16.64	10.81	5.83
MBCMW-7	11/4/2019	16.64	10.96	5.68
MBCMW-7	12/19/2019	16.64	11.40	5.24
MBCMW-8	1/3/2019	16.53	8.75	7.78
MBCMW-8	2/25/2019	16.53	5.05	11.48
MBCMW-8	3/21/2019	16.53	5.70	10.83
MBCMW-8	4/24/2019	16.53	6.68	9.85
MBCMW-8	5/7/2019	16.53	7.08	9.45
MBCMW-8	6/7/2019	16.53	7.08	9.45
MBCMW-8	7/22/2019	16.53	6.80	9.73
MBCMW-8	8/12/2019	16.53	7.00	9.53
MBCMW-8	9/13/2019	16.53	11.73	4.80
MBCMW-8	10/10/2019	16.53	8.06	8.47
MBCMW-8	11/4/2019	16.53	8.46	8.07
MBCMW-8	12/19/2019	16.53	7.19	9.34
MBCMW-9	1/3/2019	17.71	7.82	9.89
MBCMW-9	2/25/2019	17.71	5.40	12.31
MBCMW-9	3/21/2019	17.71	5.30	12.41
MBCMW-9	4/24/2019	17.71	6.53	11.18
MBCMW-9	5/7/2019	17.71	6.77	10.94
MBCMW-9	6/7/2019	17.71	6.87	10.84
MBCMW-9	7/22/2019	17.71	6.99	10.72
MBCMW-9	8/12/2019	17.71	6.92	10.79
MBCMW-9	9/13/2019	17.71	7.20	10.51
MBCMW-9	10/10/2019	17.71	7.63	10.08
MBCMW-9	11/4/2019	17.71	7.86	9.85
MBCMW-9	12/19/2019	17.71	7.32	10.39
MBCMW-10	1/3/2019	17.74	9.24	8.50
MBCMW-10	2/25/2019	17.74	9.10	8.64
MBCMW-10	3/21/2019	17.74	8.51	9.23
MBCMW-10	4/24/2019	17.74	9.34	8.40
MBCMW-10	5/7/2019	17.74	8.99	8.75
MBCMW-10	6/7/2019	17.74	8.98	8.76
MBCMW-10	7/22/2019	17.74	7.61	10.13
MBCMW-10	8/12/2019	17.74	7.99	9.75
MBCMW-10	9/13/2019	17.74	8.42	9.32
MBCMW-10	10/10/2019	17.74	8.20	9.54
MBCMW-10	11/4/2019	17.74	8.33	9.41
MBCMW-10	12/19/2019	17.74	8.83	8.91

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW04S	1/3/2019	15.29	7.14	8.15
MCWP-MW04S	2/25/2019	15.29	3.70	11.59
MCWP-MW04S	3/21/2019	15.29	4.15	11.14
MCWP-MW04S	4/24/2019	15.29	5.30	9.99
MCWP-MW04S	5/7/2019	15.29	5.66	9.63
MCWP-MW04S	6/7/2019	15.29	5.60	9.69
MCWP-MW04S	7/22/2019	15.29	5.47	9.82
MCWP-MW04S	8/12/2019	15.29	5.68	9.61
MCWP-MW04S	9/13/2019	15.29	6.29	9.00
MCWP-MW04S	10/10/2019	15.29	6.65	8.64
MCWP-MW04S	11/4/2019	15.29	6.96	8.33
MCWP-MW04S	12/19/2019	15.29	5.86	9.43
MCWP-MW07S	1/3/2019	13.72	5.70	8.02
MCWP-MW07S	2/25/2019	13.72	4.85	8.87
MCWP-MW07S	3/21/2019	13.72	4.42	9.30
MCWP-MW07S	4/24/2019	13.72	4.80	8.92
MCWP-MW07S	5/7/2019	13.72	4.80	8.92
MCWP-MW07S	6/7/2019	13.72	4.58	9.14
MCWP-MW07S	7/22/2019	13.72	4.92	8.80
MCWP-MW07S	8/12/2019	13.72	5.25	8.47
MCWP-MW07S	9/13/2019	13.72	5.46	8.26
MCWP-MW07S	10/10/2019	13.72	5.69	8.03
MCWP-MW07S	11/4/2019	13.72	5.98	7.74
MCWP-MW07S	12/19/2019	13.72	5.80	7.92
MCWP-MW08	1/3/2019	12.21	8.76	3.45
MCWP-MW08	2/25/2019	12.21	9.15	3.06
MCWP-MW08	3/21/2019	12.21	4.75	7.46
MCWP-MW08	4/24/2019	12.21	N/A	-
MCWP-MW08	5/7/2019	12.21	8.40	3.81
MCWP-MW08	6/7/2019	12.21	8.18	4.03
MCWP-MW08	7/22/2019	12.21	6.88	5.33
MCWP-MW08	8/12/2019	12.21	7.35	4.86
MCWP-MW08	9/13/2019	12.21	7.50	4.71
MCWP-MW08	10/10/2019	12.21	7.65	4.56
MCWP-MW08	11/4/2019	12.21	7.55	4.66
MCWP-MW08	12/19/2019	12.21	8.58	3.63
MCWP-MW10	1/3/2019	11.11	8.30	2.81
MCWP-MW10	2/25/2019	11.11	8.67	2.44
MCWP-MW10	3/21/2019	11.11	8.07	3.04
MCWP-MW10	4/24/2019	11.11	8.75	2.36
MCWP-MW10	5/7/2019	11.11	8.20	2.91
MCWP-MW10	6/7/2019	11.11	7.60	3.51
MCWP-MW10	7/22/2019	11.11	4.89	6.22
MCWP-MW10	8/12/2019	11.11	5.34	5.77
MCWP-MW10	9/13/2019	11.11	5.83	5.28
MCWP-MW10	10/10/2019	11.11	5.76	5.35
MCWP-MW10	11/4/2019	11.11	5.78	5.33
MCWP-MW10	12/19/2019	11.11	8.09	3.02
P-4	1/3/2019	12.16	7.08	5.08
P-4	2/25/2019	12.16	7.75	4.41
P-4	3/21/2019	12.16	6.91	5.25

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
P-4	4/24/2019	12.16	7.61	4.55
P-4	5/7/2019	12.16	7.06	5.10
P-4	6/7/2019	12.16	6.50	5.66
P-4	7/22/2019	12.16	5.79	6.37
P-4	8/12/2019	12.16	4.28	7.88
P-4	9/13/2019	12.16	4.73	7.43
P-4	10/10/2019	12.16	4.73	7.43
P-4	11/4/2019	12.16	4.73	7.43
P-4	12/19/2019	12.16	7.04	5.12
P-9	1/3/2019	12.17	7.51	4.66
P-9	2/25/2019	12.17	8.33	3.84
P-9	3/21/2019	12.17	7.21	4.96
P-9	4/24/2019	12.17	8.38	3.79
P-9	5/7/2019	12.17	7.65	4.52
P-9	6/7/2019	12.17	7.08	5.09
P-9	7/22/2019	12.17	4.16	8.01
P-9	8/12/2019	12.17	4.67	7.50
P-9	9/13/2019	12.17	5.10	7.07
P-9	10/10/2019	12.17	5.06	7.11
P-9	11/4/2019	12.17	5.12	7.05
P-9	12/19/2019	12.17	7.61	4.56
SMBRP-2	1/3/2019	13.13	9.07	4.06
SMBRP-2	2/25/2019	13.13	9.19	3.94
SMBRP-2	3/21/2019	13.13	8.72	4.41
SMBRP-2	4/24/2019	13.13	9.28	3.85
SMBRP-2	5/7/2019	13.13	8.60	4.53
SMBRP-2	6/7/2019	13.13	8.10	5.03
SMBRP-2	7/22/2019	13.13	5.15	7.98
SMBRP-2	8/12/2019	13.13	5.65	7.48
SMBRP-2	9/13/2019	13.13	6.12	7.01
SMBRP-2	10/10/2019	13.13	6.03	7.10
SMBRP-2	11/4/2019	13.13	6.14	6.99
SMBRP-2	12/19/2019	13.13	8.69	4.44
SMBRP-6	1/3/2019	26.88	15.76	11.12
SMBRP-6	2/25/2019	26.88	14.79	12.09
SMBRP-6	3/21/2019	26.88	14.86	12.02
SMBRP-6	4/24/2019	26.88	15.05	11.83
SMBRP-6	5/7/2019	26.88	15.05	11.83
SMBRP-6	6/7/2019	26.88	15.12	11.76
SMBRP-6	7/22/2019	26.88	15.25	11.63
SMBRP-6	8/12/2019	26.88	15.85	11.03
SMBRP-6	9/13/2019	26.88	17.00	9.88
SMBRP-6	10/10/2019	26.88	16.17	10.71
SMBRP-6	11/4/2019	26.88	16.33	10.55
SMBRP-6	12/19/2019	26.88	14.54	12.34
SMBRP-7B	1/3/2019	18.99	10.72	8.27
SMBRP-7B	2/25/2019	18.99	9.05	9.94
SMBRP-7B	3/21/2019	18.99	9.13	9.86
SMBRP-7B	4/24/2019	18.99	9.82	9.17
SMBRP-7B	5/7/2019	18.99	10.06	8.93
SMBRP-7B	6/7/2019	18.99	10.08	8.91

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-7B	7/22/2019	18.99	9.73	9.26
SMBRP-7B	8/12/2019	18.99	9.70	9.29
SMBRP-7B	9/13/2019	18.99	10.02	8.97
SMBRP-7B	10/10/2019	18.99	10.15	8.84
SMBRP-7B	11/4/2019	18.99	10.33	8.66
SMBRP-7B	12/19/2019	18.99	10.16	8.83
SMBRP-8 (ECI-RC-MW01)	1/3/2019	48.69	29.10	19.59
SMBRP-8 (ECI-RC-MW01)	2/25/2019	48.69	27.51	21.18
SMBRP-8 (ECI-RC-MW01)	3/21/2019	48.69	26.42	22.27
SMBRP-8 (ECI-RC-MW01)	4/24/2019	48.69	25.34	23.35
SMBRP-8 (ECI-RC-MW01)	5/7/2019	48.69	25.05	23.64
SMBRP-8 (ECI-RC-MW01)	6/7/2019	48.69	24.60	24.09
SMBRP-8 (ECI-RC-MW01)	7/22/2019	48.69	24.44	24.25
SMBRP-8 (ECI-RC-MW01)	8/12/2019	48.69	24.77	23.92
SMBRP-8 (ECI-RC-MW01)	9/13/2019	48.69	25.50	23.19
SMBRP-8 (ECI-RC-MW01)	10/10/2019	48.69	26.23	22.46
SMBRP-8 (ECI-RC-MW01)	11/4/2019	48.69	26.80	21.89
SMBRP-8 (ECI-RC-MW01)	12/19/2019	48.69	27.21	21.48
SMBRP-9	1/3/2019	50.32	37.81	12.51
SMBRP-9	2/25/2019	50.32	37.53	12.79
SMBRP-9	3/21/2019	50.32	37.02	13.30
SMBRP-9	4/24/2019	50.32	36.22	14.10
SMBRP-9	5/7/2019	50.32	35.86	14.46
SMBRP-9	6/7/2019	50.32	35.35	14.97
SMBRP-9	7/22/2019	50.32	35.05	15.27
SMBRP-9	8/12/2019	50.32	35.10	15.22
SMBRP-9	9/13/2019	50.32	35.37	14.95
SMBRP-9	10/10/2019	50.32	35.74	14.58
SMBRP-9	11/4/2019	50.32	36.15	14.17
SMBRP-9	12/19/2019	50.32	36.70	13.62
SMBRP-10C	1/3/2019	16.25	6.79	9.46
SMBRP-10C	2/25/2019	16.25	1.60	14.65
SMBRP-10C	3/21/2019	16.25	1.67	14.58
SMBRP-10C	4/24/2019	16.25	3.56	12.69
SMBRP-10C	5/7/2019	16.25	10.06	6.19
SMBRP-10C	6/7/2019	16.25	4.75	11.50
SMBRP-10C	7/22/2019	16.25	5.54	10.71
SMBRP-10C	8/12/2019	16.25	5.86	10.39
SMBRP-10C	9/13/2019	16.25	6.32	9.93
SMBRP-10C	10/10/2019	16.25	6.56	9.69
SMBRP-10C	11/4/2019	16.25	6.74	9.51
SMBRP-10C	12/19/2019	16.25	5.05	11.20
SMBRP-12	1/3/2019	12.62	7.48	5.14
SMBRP-12	2/25/2019	12.62	8.07	4.55
SMBRP-12	3/21/2019	12.62	7.05	5.57
SMBRP-12	4/24/2019	12.62	8.63	3.99
SMBRP-12	5/7/2019	12.62	7.63	4.99
SMBRP-12	6/7/2019	12.62	6.96	5.66
SMBRP-12	7/22/2019	12.62	6.77	5.85
SMBRP-12	8/12/2019	12.62	7.15	5.47
SMBRP-12	9/13/2019	12.62	6.84	5.78

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-12	10/10/2019	12.62	7.29	5.33
SMBRP-12	11/4/2019	12.62	7.47	5.15
SMBRP-12	12/19/2019	12.62	7.30	5.32
SMBRP-13	1/3/2019	13.58	8.20	5.38
SMBRP-13	2/25/2019	13.58	9.70	3.88
SMBRP-13	3/21/2019	13.58	7.61	5.97
SMBRP-13	4/24/2019	13.58	9.00	4.58
SMBRP-13	5/7/2019	13.58	9.70	3.88
SMBRP-13	6/7/2019	13.58	8.08	5.50
SMBRP-13	7/22/2019	13.58	7.68	5.90
SMBRP-13	8/12/2019	13.58	8.28	5.30
SMBRP-13	9/13/2019	13.58	8.16	5.42
SMBRP-13	10/10/2019	13.58	8.50	5.08
SMBRP-13	11/4/2019	13.58	8.37	5.21
SMBRP-13	12/19/2019	13.58	8.51	5.07
SMBRP-15B	1/3/2019	16.77	dry	-
SMBRP-15B	2/25/2019	16.77	dry	-
SMBRP-15B	3/21/2019	16.77	dry	-
SMBRP-15B	4/24/2019	16.77	dry	-
SMBRP-15B	5/7/2019	16.77	dry	-
SMBRP-15B	6/7/2019	16.77	dry	-
SMBRP-15B	7/22/2019	16.77	dry	-
SMBRP-15B	8/12/2019	16.77	dry	-
SMBRP-15B	9/13/2019	16.77	dry	-
SMBRP-15B	10/10/2019	16.77	dry	-
SMBRP-15B	11/4/2019	16.77	dry	-
SMBRP-15B	12/19/2019	16.77	dry	-
SMBRP-16	1/3/2019	14.50	4.74	9.76
SMBRP-16	2/25/2019	14.50	1.65	12.85
SMBRP-16	3/21/2019	14.50	1.80	12.70
SMBRP-16	4/24/2019	14.50	2.60	11.90
SMBRP-16	5/7/2019	14.50	3.04	11.46
SMBRP-16	6/7/2019	14.50	3.11	11.39
SMBRP-16	7/22/2019	14.50	3.21	11.29
SMBRP-16	8/12/2019	14.50	3.37	11.13
SMBRP-16	9/13/2019	14.50	3.91	10.59
SMBRP-16	10/10/2019	14.50	4.04	10.46
SMBRP-16	11/4/2019	14.50	4.50	10.00
SMBRP-16	12/19/2019	14.50	5.30	9.20

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	1/3/2019	17.90	10.95	6.95
MCWP-MW01	2/25/2019	17.90	11.00	6.90
MCWP-MW01	3/21/2019	17.90	9.90	8.00
MCWP-MW01	4/24/2019	17.90	11.02	6.88
MCWP-MW01	5/7/2019	17.90	10.61	7.29
MCWP-MW01	6/7/2019	17.90	10.67	7.23
MCWP-MW01	7/22/2019	17.90	9.30	8.60
MCWP-MW01	8/12/2019	17.90	9.56	8.34
MCWP-MW01	9/13/2019	17.90	9.91	7.99
MCWP-MW01	10/10/2019	17.90	10.02	7.88
MCWP-MW01	11/4/2019	17.90	10.2	7.7
MCWP-MW01	12/19/2019	17.90	10.54	7.36
MCWP-MW02	1/3/2019	18.06	11.18	6.88
MCWP-MW02	2/25/2019	18.06	12.38	5.68
MCWP-MW02	3/21/2019	18.06	12.1	5.96
MCWP-MW02	4/24/2019	18.06	12.6	5.46
MCWP-MW02	5/7/2019	18.06	12.1	5.96
MCWP-MW02	6/7/2019	18.06	11.79	6.27
MCWP-MW02	7/22/2019	18.06	9.83	8.23
MCWP-MW02	8/12/2019	18.06	10.25	7.81
MCWP-MW02	9/13/2019	18.06	10.62	7.44
MCWP-MW02	10/10/2019	18.06	10.15	7.91
MCWP-MW02	11/4/2019	18.06	10.23	7.83
MCWP-MW02	12/19/2019	18.06	12.02	6.04
MCWP-MW03	1/3/2019	15.31	8.78	6.53
MCWP-MW03	2/25/2019	15.31	8.3	7.01
MCWP-MW03	3/21/2019	15.31	8.21	7.10
MCWP-MW03	4/24/2019	15.31	N/A	-
MCWP-MW03	5/7/2019	15.31	7.82	7.49
MCWP-MW03	6/7/2019	15.31	7.7	7.61
MCWP-MW03	7/22/2019	15.31	6.58	8.73
MCWP-MW03	8/12/2019	15.31	7.35	7.96
MCWP-MW03	9/13/2019	15.31	7.8	7.51
MCWP-MW03	10/10/2019	15.31	7.73	7.58
MCWP-MW03	11/4/2019	15.31	7.76	7.55
MCWP-MW03	12/19/2019	15.31	7.76	7.55
MCWP-MW04D	1/3/2019	15.43	10.18	5.25
MCWP-MW04D	2/25/2019	15.43	10.17	5.26
MCWP-MW04D	3/21/2019	15.43	9.09	6.34
MCWP-MW04D	4/24/2019	15.43	10.27	5.16
MCWP-MW04D	5/7/2019	15.43	9.79	5.64
MCWP-MW04D	6/7/2019	15.43	9.78	5.65
MCWP-MW04D	7/22/2019	15.43	8.51	6.92
MCWP-MW04D	8/12/2019	15.43	8.72	6.71
MCWP-MW04D	9/13/2019	15.43	9.12	6.31
MCWP-MW04D	10/10/2019	15.43	9.18	6.25
MCWP-MW04D	11/4/2019	15.43	9.81	5.62
MCWP-MW04D	12/19/2019	15.43	9.72	5.71
MCWP-MW05	1/3/2019	13.92	8.29	5.63
MCWP-MW05	2/25/2019	13.92	8.1	5.82
MCWP-MW05	3/21/2019	13.92	7.55	6.37

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW05	4/24/2019	13.92	8.34	5.58
MCWP-MW05	5/7/2019	13.92	8.02	5.9
MCWP-MW05	6/7/2019	13.92	7.95	5.97
MCWP-MW05	7/22/2019	13.92	6.65	7.27
MCWP-MW05	8/12/2019	13.92	7.08	6.84
MCWP-MW05	9/13/2019	13.92	7.51	6.41
MCWP-MW05	10/10/2019	13.92	7.35	6.57
MCWP-MW05	11/4/2019	13.92	7.40	6.52
MCWP-MW05	12/19/2019	13.92	7.88	6.04
MCWP-MW06	1/3/2019	16.05	10.72	5.33
MCWP-MW06	2/25/2019	16.05	10.37	5.68
MCWP-MW06	3/21/2019	16.05	10.09	5.96
MCWP-MW06	4/24/2019	16.05	10.46	5.59
MCWP-MW06	5/7/2019	16.05	10.28	5.77
MCWP-MW06	6/7/2019	16.05	10.00	6.05
MCWP-MW06	7/22/2019	16.05	8.80	7.25
MCWP-MW06	8/12/2019	16.05	9.30	6.75
MCWP-MW06	9/13/2019	16.05	9.82	6.23
MCWP-MW06	10/10/2019	16.05	9.63	6.42
MCWP-MW06	11/4/2019	16.05	9.57	6.48
MCWP-MW06	12/19/2019	16.05	10.1	5.95
MCWP-MW07D	1/3/2019	13.21	8.71	4.50
MCWP-MW07D	2/25/2019	13.21	8.2	5.01
MCWP-MW07D	3/21/2019	13.21	5.3	7.91
MCWP-MW07D	4/24/2019	13.21	N/A	-
MCWP-MW07D	5/7/2019	13.21	7.67	5.54
MCWP-MW07D	6/7/2019	13.21	7.62	5.59
MCWP-MW07D	7/22/2019	13.21	6.50	6.71
MCWP-MW07D	8/12/2019	13.21	7.25	5.96
MCWP-MW07D	9/13/2019	13.21	7.70	5.51
MCWP-MW07D	10/10/2019	13.21	7.59	5.62
MCWP-MW07D	11/4/2019	13.21	7.61	5.60
MCWP-MW07D	12/19/2019	13.21	7.65	5.56
MCWP-MW09	1/3/2019	16.30	6.67	9.63
MCWP-MW09	2/25/2019	16.30	6.60	9.70
MCWP-MW09	3/21/2019	16.30	6.35	9.95
MCWP-MW09	4/24/2019	16.30	6.55	9.75
MCWP-MW09	5/7/2019	16.30	6.25	10.05
MCWP-MW09	6/7/2019	16.30	6.08	10.22
MCWP-MW09	7/22/2019	16.30	4.91	11.39
MCWP-MW09	8/12/2019	16.30	5.50	10.80
MCWP-MW09	9/13/2019	16.30	5.77	10.53
MCWP-MW09	10/10/2019	16.30	5.75	10.55
MCWP-MW09	11/4/2019	16.30	5.80	10.50
MCWP-MW09	12/19/2019	16.30	6.19	10.11

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	1/3/2019	104.55	51.63	52.92
LAMW-5S	2/25/2019	104.55	47.48	57.07
LAMW-5S	3/21/2019	104.55	45.90	58.65
LAMW-5S	4/24/2019	104.55	46.75	57.80
LAMW-5S	5/7/2019	104.55	47.09	57.46
LAMW-5S	6/7/2019	104.55	47.86	56.69
LAMW-5S	7/22/2019	104.55	49.58	54.97
LAMW-5S	8/12/2019	104.55	50.40	54.15
LAMW-5S	9/13/2019	104.55	50.55	54.00
LAMW-5S	10/10/2019	104.55	51.10	53.45
LAMW-5S	11/4/2019	104.55	52.48	52.07
LAMW-5S	12/19/2019	104.55	52.86	51.69
SMBRP-11	1/3/2019	18.35	8.42	9.93
SMBRP-11	2/25/2019	18.35	7.74	10.61
SMBRP-11	3/21/2019	18.35	7.31	11.04
SMBRP-11	4/24/2019	18.35	7.84	10.51
SMBRP-11	5/7/2019	18.35	7.84	10.51
SMBRP-11	6/7/2019	18.35	7.58	10.77
SMBRP-11	7/22/2019	18.35	7.93	10.42
SMBRP-11	8/12/2019	18.35	8.20	10.15
SMBRP-11	9/13/2019	18.35	8.32	10.03
SMBRP-11	10/10/2019	18.35	8.56	9.79
SMBRP-11	11/4/2019	18.35	8.70	9.65
SMBRP-11	12/19/2019	18.35	8.59	9.76

TOC: top of well casing
ft bTOC: feet below top of well casing
TOC elevation referenced to NAVD88

Table 2
Long-Term Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
General Chemistry (Long-Term sampled quarterly, SNMP and MOU sampled semi-annually)																
General Chemistry (pH, Total Dissolved Solids, Sulfate, Chloride, Boron, Methylene Blue Active Substances [MBAS]/Foaming Agents)	✓	✓ (TDS only)	✓	✓	✓	✓ (TDS only)	✓ (TDS only)	✓	✓	✓ (TDS only)	✓ (TDS only)	✓	✓	✓	✓ (TDS only)	✓ (TDS only)
Biological Oxygen Demand (BOD)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Turbidity (includes color and odor)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Total Suspended Solids	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Residual Chlorine	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Organic Carbon	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Oil and Grease	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Nitrate and Nitrite as Nitrogen (calculation)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Organic Nitrogen (calculation)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Total Nitrogen (includes TKN)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, mercury, nickel, selenium, thallium)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Asbestos	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Cyanide	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Perchlorate	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Fluoride	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Combined Radium-226 and Radium-228	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Gross Alpha and Beta Particle Activity	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Tritium	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Strontium-90	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Uranium	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Volatile Organic Compounds (EPA Method 524.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB) (EPA Method 504.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Table 2
Long-Term Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Chlordane, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, Polychlorinated Biphenyls, Toxaphene (EPA Method 505)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Alachlor, Atrazine, Simazine (EPA Method 507)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Bentazon, 2,4-D, Dalapon, Dinoseb, Pentachlorophenol, Picloram, 2,4,5-TP (Silvex) (EPA Method 515.3)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Benzo(a)pyrene, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate, Molinate, Thiobencarb (EPA Method 525.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Carbofuran, Oxamyl (EPA Method 531.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Glyphosate (EPA Method 547)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Endothall (EPA Method 548.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Diquat (EPA Method 549.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
2,3,7,8-TCDD (Dioxin) (EPA Method 1613)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Trihalomethanes	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Haloacetic Acids	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Bromate	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Chlorite	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Metals (aluminum, copper, iron, manganese, silver, zinc) (included in metals above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Color and Odor (included in turbidity above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Foam agents (MBAS) (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Methyl-tert-butyl ether (MTBE) (included in VOCs above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Thiobencarb (included in EPA Method 525.2 above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Constituents of Emerging Concern in Attachment C of MRP CI 10042 (Long-Term sampled annually)																
17β-Estradiol	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Caffeine	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
n-Nitrosodimethylamine (NDMA)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Triclosan	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
n,n-Diethyl-meta-toluamide (DEET)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Sucralose	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Table 2
Long-Term Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
Priority Pollutants listed in Attachment D of MRP CI 10042 (Long-Term sampled annually)																
Metals (antimony, arsenic, barium, beryllium, cadmium, chromium (III), copper, lead, mercury, nickel, selenium, silver, thallium, zinc) (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Chromium VI	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Cyanide (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Asbestos (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
2,3,7,8-TCDD (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Volatile Organic Compounds (EPA Method 624)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Semivolatile Organic Compounds (EPA Method 625)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Pesticides (EPA Method 625)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Polychlorinated Biphenyls (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Surface Water	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring
Laboratory Analysis (quarterly)	*N-001*	*N-002*	*N-003*	*N-004*	*L-001*	*L-002*	*L-003*	*L-004*	*L-005*	*L-006*
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Organic Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes:
✓: Laboratory analysis completed
- : Sampling & analysis not required
[1]: TY-MW-1 was replaced by SMBRP-11 per LARWQCB correspondence with City of Malibu dated May 18, 2018

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
NearShore	Ankle Depth	N-001	2/26/2019	= **41**	< 1	< 0.1	< 20	< 0.5	< 0.1	< 0.4	< 20.5	= **0.026**
Near Shore	Ankle Depth	N-001	5/8/2019	= **100**	= **1.0**	< 0.600	< 0.900	< 0.040	< 0.010	= **0.054**	= **1.554**	= **0.198**
Near Shore	Ankle Depth	N-001	8/13/2019	> **2400**	< 1	< 0.600	< 0.900	< 0.040	= **0.098**	< 0.052	< 0.030	= **0.088**
Near Shore	Ankle Depth	N-001	11/6/2019	= **2000**	< 1	< 0.012	< 0.900	= **0.060**	< 0.010	= **0.056**	= **0.056**	= **0.039**
NearShore	AnkleDepth	N-002	2/26/2019	= **58**	< 1	< 0.1	< 20	< 0.5	< 0.1	< 0.4	< 20.5	= **0.203**
Near Shore	Ankle Depth	N-002	5/8/2019	= **650**	= **6.3**	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	= **1.552**	= **0.105**
Near Shore	Ankle Depth	N-002	8/13/2019	> **2400**	= **2.0**	< 0.600	< 0.900	< 0.040	= **0.038**	< 0.052	< 0.030	= **0.130**
Near Shore	Ankle Depth	N-002	11/6/2019	= **2000**	< 1	< 0.012	< 0.900	= **0.120**	< 0.010	= **0.124**	= **0.124**	= **0.024**
NearShore	AnkleDepth	N-003	2/26/2019	= **280**	< 1	< 0.1	< 20	< 0.5	< 0.1	< 0.4	< 20.5	< 0.02
Near Shore	Ankle Depth	N-003	5/8/2019	= **770**	= **1**	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	= **1.552**	= **0.060**
Near Shore	Ankle Depth	N-003	8/13/2019	> **2400**	= **24**	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.866**
Near Shore	Ankle Depth	N-003	11/6/2019	> **2400**	= **32**	< 0.012	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.068**
NearShore	Ankle Depth	N-004	2/26/2019	= **650**	< 1	< 0.1	< 20	= **0.12**	< 0.1	= **0.12**	= **20.2**	< 0.02
Near Shore	Ankle Depth	N-004	5/8/2019	= **870**	< 1	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	= **1.552**	= **0.152**
Near Shore	Ankle Depth	N-004	8/13/2019	= **2000**	< 1	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.045**
Near Shore	Ankle Depth	N-004	11/6/2019	= **2000**	< 1	< 0.012	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.022**
Malibu Lagoon and Creek	1 foot BSW	L-001	2/26/2019	> **2,400**	= **63**	= **4.73**	< 0.1	= **0.49**	< 0.1	= **0.493**	= **5.3**	= **0.493**
Malibu Lagoon and Creek	1 foot BSW	L-001	5/8/2019	= **2,000**	= **30**	= **0.160**	< 0.018	= **0.300**	< 0.010	= **0.295**	= **0.473**	= **0.253**
Malibu Lagoon and Creek	1 foot BSW	L-001	8/13/2019	> **2,400**	= **520**	< 0.012	< 0.360	< 0.040	= **0.021**	< 0.052	< 0.030	= **0.266**
Malibu Lagoon and Creek	1 foot BSW	L-001	11/6/2019	> **2,400**	= **100**	< 0.012	< 0.180	= **0.580**	< 0.010	= **0.582**	= **0.582**	= **0.132**
Malibu Lagoon and Creek	1 foot BSW	L-002	2/26/2019	> **2,400**	= **64**	= **4.40**	< 0.1	= **0.30**	< 0.1	= **0.299**	= **4.8**	= **0.424**
Malibu Lagoon and Creek	1 foot BSW	L-002	5/8/2019	> **2,400**	= **29**	= **0.360**	< 0.180	= **0.270**	< 0.010	= **0.266**	= **0.806**	= **0.255**
Malibu Lagoon and Creek	1 foot BSW	L-002	8/13/2019	> **2,400**	= **29**	< 0.012	< 0.360	= **0.320**	< 0.010	= **0.324**	= **0.324**	= **0.110**
Malibu Lagoon and Creek	1 foot BSW	L-002	11/6/2019	> **2,400**	= **230**	= **0.130**	< 0.180	= **0.500**	< 0.010	= **0.498**	= **0.628**	= **0.121**
Malibu Lagoon and Creek	1 foot BSW	L-003	2/26/2019	> **2,400**	= **30**	= **3.45**	< 0.1	= **0.79**	< 0.1	= **0.790**	= **4.3**	= **0.425**
Malibu Lagoon and Creek	1 foot BSW	L-003	5/8/2019	> **2,400**	= **30**	= **0.150**	< 0.180	= **0.550**	< 0.010	= **0.548**	= **0.878**	= **0.245**
Malibu Lagoon and Creek	1 foot BSW	L-003	8/13/2019	> **2,400**	= **170**	< 0.012	< 0.360	= **0.070**	< 0.010	= **0.066**	= **0.066**	= **0.092**
Malibu Lagoon and Creek	1 foot BSW	L-003	11/6/2019	> **2,400**	= **520**	< 0.012	< 0.180	= **0.690**	< 0.010	= **0.692**	= **0.692**	= **0.108**
Malibu Lagoon and Creek	1 foot BSW	L-004	2/26/2019	> **2,400**	= **88**	= **4.04**	< 0.1	= **0.54**	< 0.1	= **0.542**	= **4.7**	= **0.468**
Malibu Lagoon and Creek	1 foot BSW	L-004	5/8/2019	> **2,400**	= **61**	= **0.060**	< 0.360	= **0.370**	< 0.010	= **0.370**	= **0.790**	= **0.153**
Malibu Lagoon and Creek	1 foot BSW	L-004	8/13/2019	> **2,400**	= **96**	< 0.012	< 0.360	= **0.520**	= **0.020**	= **0.538**	= **0.538**	= **0.079**
Malibu Lagoon and Creek	1 foot BSW	L-004	11/6/2019	> **2,400**	= **360**	< 0.012	< 0.180	= **1.220**	< 0.010	= **1.200**	= **1.220**	= **0.135**
Malibu Lagoon and Creek	1 foot BSW	L-005	2/26/2019	> **2,400**	= **260**	= **3.43**	< 0.1	= **0.59**	< 0.1	= **0.587**	= **4.1**	= **0.343**
Malibu Lagoon and Creek	1 foot BSW	L-005	5/8/2019	> **2,400**	= **56**	= **0.200**	< 0.180	= **0.210**	< 0.010	= **0.208**	= **0.588**	= **0.242**
Malibu Lagoon and Creek	1 foot BSW	L-005	8/13/2019	> **2,400**	= **250**	< 0.012	< 0.360	= **0.440**	= **0.070**	= **0.507**	= **0.507**	= **0.051**
Malibu Lagoon and Creek	1 foot BSW	L-005	11/6/2019	< 1	< 1	< 0.012	< 0.180	= **0.750**	< 0.010	= **0.748**	= **0.748**	= **0.095**
Malibu Lagoon and Creek	1 foot BSW	L-006	2/26/2019	> **2,400**	= **210**	= **0.05**	< 0.1	= **3.1**	< 0.1	= **3.1**	= **3.3**	= **0.460**
Malibu Lagoon and Creek	1 foot BSW	L-006	5/8/2019	> **2,400**	= **1300**	= **0.070**	< 0.360	= **3.700**	< 0.010	= **3.700**	= **4.130**	= **0.631**
Malibu Lagoon and Creek	1 foot BSW	L-006	8/13/2019	> **2,400**	= **580**	< 0.012	< 0.360	= **0.930**	= **0.017**	= **0.950**	= **0.950**	= **0.081**

| | | |

Table 4
Groundwater Analytical Results

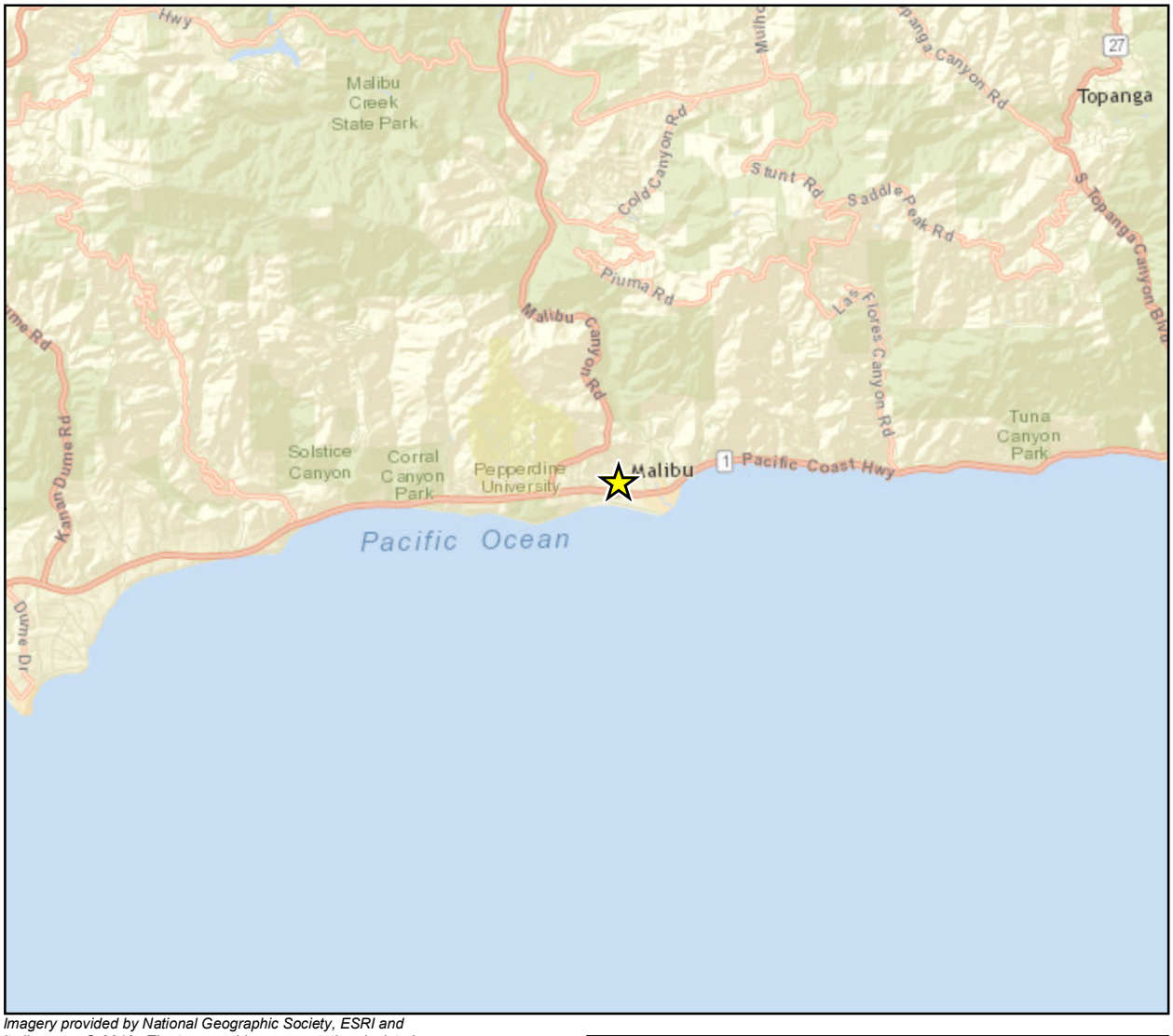
			Coliform Bacteria (MPN/100mL)		**Inorganic Analyses** (mg/L)											
Well ID	**Well Depth (ft. bgs)**	**Sample Date**	Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
LAMW-5S	73	2/26/19	> **2,400**	< 1	= **14.2**	< 0.1	= **14.2**	= **0.06**	< 0.1	= **0.059**	= **14.3**	= **3.88**	= **0.234**	= **131**	= **626**	= **100**
LAMW-5S	73	5/8/19	= **11**	= **2**	= **6.19**	< 0.018	= **6.19**	= **0.22**	< 0.01	= **0.215**	= **6.4**	= **1.8**	= **0.282**	= **95.2**	= **570**	= **105**
LAMW-5S	73	8/13/19	> **2,400**	= **1**	= **10.9**	< 0.018	= **10.9**	= **0.45**	= **0.081**	= **0.527**	= **11.4**	= **2.26**	= **2.26**	= **88.6**	= **582**	= **102**
LAMW-5S	73	11/5/19	= **330**	= **2**	= **4.97**	< 0.018	= **4.97**	= **0.74**	< 0.01	= **0.743**	= **5.71**	= **1.84**	= **0.267**	= **81.5**	= **496**	= **112**
SMBRP-7B	25	2/28/19	= **190**	= **4.1**	= **2.92**	< 0.1	-	= **0.08**	< 0.1	= **0.077**	-	= **0.204**	-	-	= **1,950**	= **-**
SMBRP-7B	25	8/15/19	= **99**	= **11**	= **2.74**	< 0.018	= **2.74**	= **0.53**	= **0.102**	= **0.631**	-	= **0.25**	-	-	= **2,760**	= **-**
SMBRP-9	45	2/26/19	= **730**	< 1	= **1.96**	< 0.1	= **1.96**	= **0.61**	< 0.1	= **0.612**	= **2.57**	= **0.019**	= **0.550**	= **234**	= **1,330**	= **116**
SMBRP-9	45	5/8/19	= **1,700**	= **20**	= **12.7**	< 0.018	= **12.7**	= **0.09**	< 0.01	= **0.086**	= **12.8**	= **0.052**	= **0.582**	= **370**	= **1,770**	= **250**
SMBRP-9	45	8/13/19	= **13**	< 1	= **9.19**	< 0.018	= **9.19**	= **0.34**	= **0.016**	= **0.359**	= **9.55**	= **0.087**	= **0.671**	= **315**	= **1,540**	= **190**
SMBRP-9	45	11/5/19	= **33**	= **6.3**	= **1.4**	< 0.018	= **1.4**	= **0.66**	< 0.01	= **0.657**	= **2.06**	= **0.025**	= **0.559**	= **176**	= **1,020**	= **105**
SMBRP-11	20	2/26/19	= **520**	< 1	= **7.62**	< 0.1	= **7.62**	= **0.68**	= **0.915**	= **1.60**	= **9.22**	= **0.036**	= **0.531**	= **252**	= **1,070**	= **205**
SMBRP-11	20	5/8/19	= **580**	= **260**	= **6.54**	= **0.06**	= **6.6**	= **0.66**	= **0.324**	= **0.980**	= **7.58**	= **0.46**	= **0.506**	= **261**	= **1,400**	= **264**
SMBRP-11	20	8/13/19	= **86**	= **2**	= **2.88**	< 0.018	= **2.88**	= **0.29**	= **1.21**	= **1.50**	= **4.38**	= **0.295**	= **0.802**	= **243**	= **1,140**	= **232**
SMBRP-11	20	11/5/19	= **19**	< 1	= **3.01**	< 0.018	= **3.01**	= **3.00**	= **1.5**	= **3.00**	= **6.01**	= **0.032**	= **0.614**	= **389**	= **1,210**	= **297**
SMBRP-12	25	2/26/19	= **51**	< 1	= **0.09**	< 0.1	= **0.09**	= **1.60**	= **11.4**	= **13**	= **13.1**	= **0.334**	= **0.774**	= **381**	= **1,690**	= **338**
SMBRP-12	25	5/8/19	= **2,400**	= **2,000**	= **0.11**	< 0.018	= **0.11**	= **1.20**	= **10.8**	= **12**	= **12.1**	= **2.5**	= **0.581**	= **394**	= **1,200**	= **364**
SMBRP-12	25	8/14/19	= **1**	< 1	< 0.012	< 0.018	< 0.018	= **0.51**	= **6.39**	= **6.9**	= **6.9**	= **1.74**	= **0.929**	-	= **1,740**	= **401**
SMBRP-12	25	11/6/19	= **290**	< 1	< 0.012	< 0.018	= **-**	= **34.60**	= **5.35**	= **40**	= **40**	= **1.215**	= **0.756**	= **399**	= **1,510**	= **406**
SMBRP-13	19	2/26/19	= **14**	= **4.1**	= **0.11**	< 0.1	= **0.11**	= **0.48**	= **0.392**	= **0.867**	-	= **2.38**	-	-	= **2,530**	= **-**
SMBRP-13	19	8/15/19	= **1**	< 1	< 0.012	< 0.018	< 0.018	= **0.23**	= **0.292**	= **0.526**	-	= **0.246**	-	-	= **3,950**	= **-**
MBCMW-9	9	2/28/19	> **2,400**	= **1,700**	= **0.05**	< 0.1	-	= **1.20**	< 0.1	= **1.2**	-	= **0.317**	-	-	= **4,350**	= **-**
MBCMW-9	9	8/15/19	= **17**	= **2**	= **0.21**	< 0.018	= **0.21**	= **0.53**	= **0.018**	= **0.545**	-	= **0.435**	-	-	= **6,150**	= **-**
MCWP-MW04S	20	2/26/19	= **16**	< 1	= **3.61**	< 0.1	= **3.61**	= **0.94**	< 0.1	= **0.939**	= **4.55**	= **0.378**	= **1.64**	= **2,620**	= **5,930**	= **877**
MCWP-MW04S	20	5/8/19	= **260**	< 1	= **2.95**	< 0.018	= **2.95**	= **0.23**	= **0.31**	= **0.541**	= **3.49**	= **0.36**	= **1.48**	= **2,360**	= **5,150**	= **719**
MCWP-MW04S	20	8/13/19	= **13**	< 1	= **1.74**	< 0.018	= **1.74**	= **0.87**	= **0.054**	= **0.923**	= **2.66**	= **0.335**	= **1.61**	= **2,510**	= **5,710**	= **578**
MCWP-MW04S	20	11/5/19	= **25**	< 1	= **1.41**	< 0.018	= **1.41**	= **1.20**	< 0.01	= **1.2**	= **2.61**	= **0.32**	= **1.6**	= **2,550**	= **5,050**	= **606**
MCWP-MW04D	148	2/27/19	< 1	< 1	= **1.72**	< 0.1	= **1.72**	< 0.50	< 0.1	< 0.40	= **1.72**	= **0.069**	= **0.798**	= **555**	= **1,630**	= **249**
MCWP-MW04D	148	5/9/19	= **130**	< 1	= **1.46**	< 0.018	= **1.46**	= **0.10**	< 0.01	= **0.10**	= **1.56**	= **0.177**	= **0.6**	= **458**	= **1,270**	= **176**
MCWP-MW04D	148	8/13/19	= **2**	< 2	= **1.59**	< 0.018	= **1.59**	= **0.13**	< 0.01	= **0.13**	= **1.72**	= **0.07**	= **0.878**	= **530**	= **1,540**	= **228**
MCWP-MW04D	148	11/7/19	< 1	< 1	= **1.61**	< 0.018	= **--**	< 0.04	< 0.01	< 0.05	= **--**	= **0.071**	= **0.827**	= **515**	= **1,490**	= **258**
MCWP-MW05	154	2/28/19	-	-	= **1.97**	-	-	-	-	-	-	-	-	-	= **1,220**	= **-**
MCWP-MW05	154	8/15/19	-	-	= **1.95**	< 0.018	= **1.95**	-	-	-	-	-	-	-	= **1,350**	= **-**
MCWP-MW06	138	2/27/19	-	-	= **4.25**	-	-	-	-	-	-	-	-	-	= **1,300**	= **-**
MCWP-MW06	138	8/15/19	-	-	= **0.1**	< 0.018	= **0.1**	-	-	-	-	-	-	-	= **1,470**	= **-**
MCWP-MW07S	20	2/26/19	= **550**	= **11**	= **4.47**	< 0.1	= **4.47**	= **0.69**	= **0.015**	= **0.707**	= **5.18**	= **0.351**	= **0.352**	= **249**	= **1,150**	= **181**
MCWP-MW07S	20	5/8/19	= **550**	= **280**	= **4.25**	< 0.018	= **4.25**	= **0.58**	= **0.052**	= **0.631**	= **4.88**	= **0.391**	= **0.382**	= **246**	= **1,150**	= **204**
MCWP-MW07S	20	8/14/19	= **35**	< 1	= **2.83**	< 0.018	= **2.83**	= **0.06**	= **0.329**	= **0.389**	= **3.22**	= **0.065**	= **0.432**	-	= **1,080**	= **208**
MCWP-MW07S	20	11/6/19	= **2,000**	< 1	= **5.03**	< 0.018	= **-**	< 0.04	= **0.149**	= **0.155**	= **5.18**	= **0.146**	= **0.333**	= **278**	= **1,040**	= **208**
MCWP-MW07D	130	2/26/19	> **2,400**	= **50**	= **0.75**	< 0.1	= **0.75**	= **0.84**	< 0.1	= **0.837**	= **1.59**	= **0.290**	= **0.094**	= **47.6**	= **238**	= **18.4**

Table 4
Groundwater Analytical Results

			Coliform Bacteria (MPN/100mL)		**Inorganic Analyses** (mg/L)											
Well ID	**Well Depth (ft. bgs)**	**Sample Date**	Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
MCWP-MW07D	130	5/8/19	> **2,400**	= **32**	= **0.1**	< 0.018	= **0.1**	= **0.61**	< 0.01	= **0.606**	= **0.71**	= **0.041**	= **0.062**	= **21.4**	= **78**	= **6.33**
MCWP-MW07D	130	8/14/19	= **7.4**	< 1	= **0.1**	< 0.018	= **0.1**	= **0.09**	= **0.172**	= **0.26**	= **0.36**	= **0.126**	= **0.597**	-	= **2,240**	= **349**
MCWP-MW07D	130	11/6/19	= **1,300**	< 1	= **0.43**	< 0.018	= **-**	= **2.06**	= **0.242**	= **2.3**	= **2.73**	= **0.284**	= **0.109**	= **120**	= **308**	= **79.8**
MCWP-MW09	95	2/26/19	= **64**	= **1**	= **1.2**	< 0.1	= **1.2**	= **0.17**	= **0.713**	= **0.886**	= **2.09**	= **0.321**	= **0.703**	= **463**	= **1,800**	= **408**
MCWP-MW09	95	5/8/19	= **360**	= **4.1**	= **0.34**	< 0.018	= **0.34**	= **0.57**	= **0.43**	= **1**	= **1.34**	= **0.046**	= **0.375**	= **451**	= **1,480**	= **399**
MCWP-MW09	95	8/14/19	= **4.1**	< 1	< 0.012	< 0.018	< 0.018	= **0.05**	= **1.95**	= **2**	= **2**	= **0.233**	= **0.874**	-	= **1,900**	= **509**
MCWP-MW09	95	11/6/19	= **180**	< 1	= **0.18**	< 0.018	= **-**	= **0.85**	= **1.05**	= **1.9**	= **2.08**	= **0.287**	= **0.626**	= **498**	= **1,710**	= **463**
MCWP-MW10	22	2/27/19	> **2,400**	= **5.2**	= **1.12**	< 0.1	= **1.12**	= **0.50**	< 0.1	= **0.502**	-	= **0.379**	-	-	= **2,060**	= **-**
MCWP-MW10	22	8/15/19	= **4,000**	< 2	= **0.26**	-	-	< 0.04	< 0.01	< 0.052	-	= **0.058**	-	-	= **1,830**	= **-**
CCPE	52	2/27/19	= **1,400**	= **580**	= **1.1**	< 0.1	= **1.1**	= **1.30**	< 0.1	= **1.3**	-	= **0.240**	-	-	= **672**	= **-**
CCPE	52	8/15/19	> **2,400**	= **60**	= **0.31**	< 0.018	= **0.31**	= **1.60**	= **2.9**	= **4.5**	-	= **0.706**	-	-	= **976**	= **-**

Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
mg/L: Milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliter
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit

Figures



Imagery provided by National Geographic Society, ESRI and its licensors © 2016. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.



Project Location

N

0 1 2

Miles

Vicinity Map

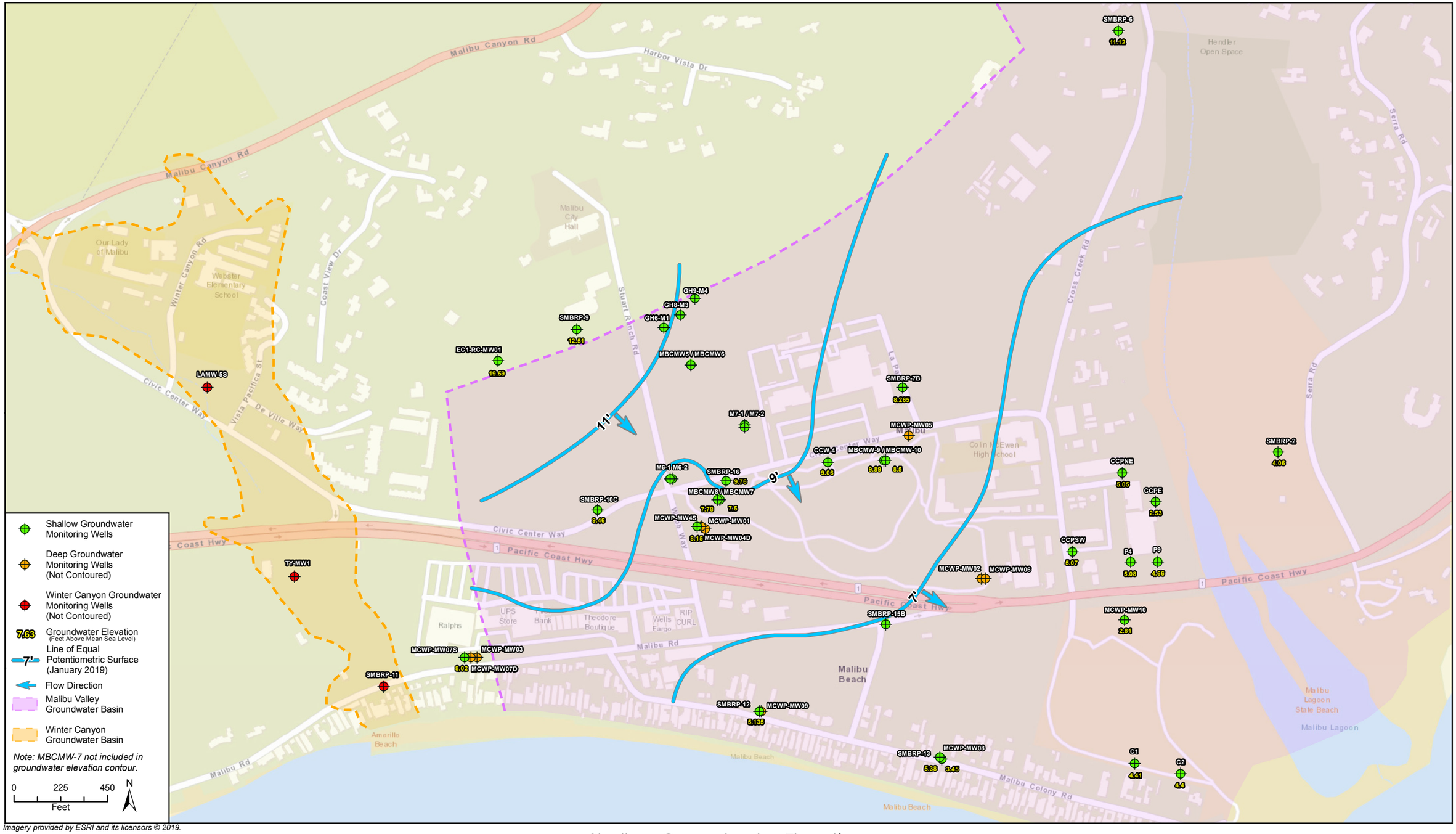
Figure 1



Imagery provided by Google and its licensors © 2018.

Site Map - Civic Center Area

Figure 2

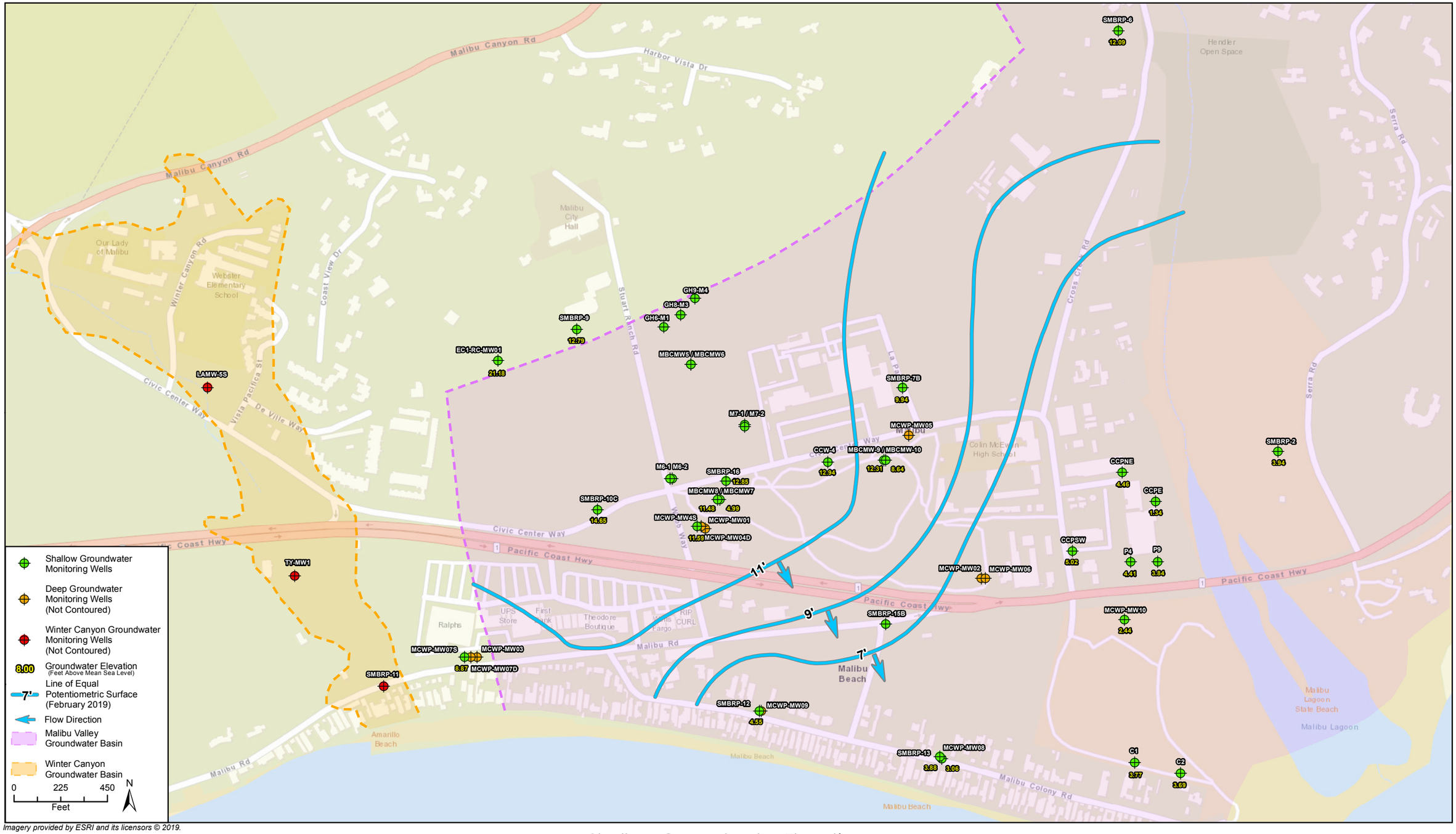


Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
January 2019

Figure 3a

Rincon Consultants Inc.

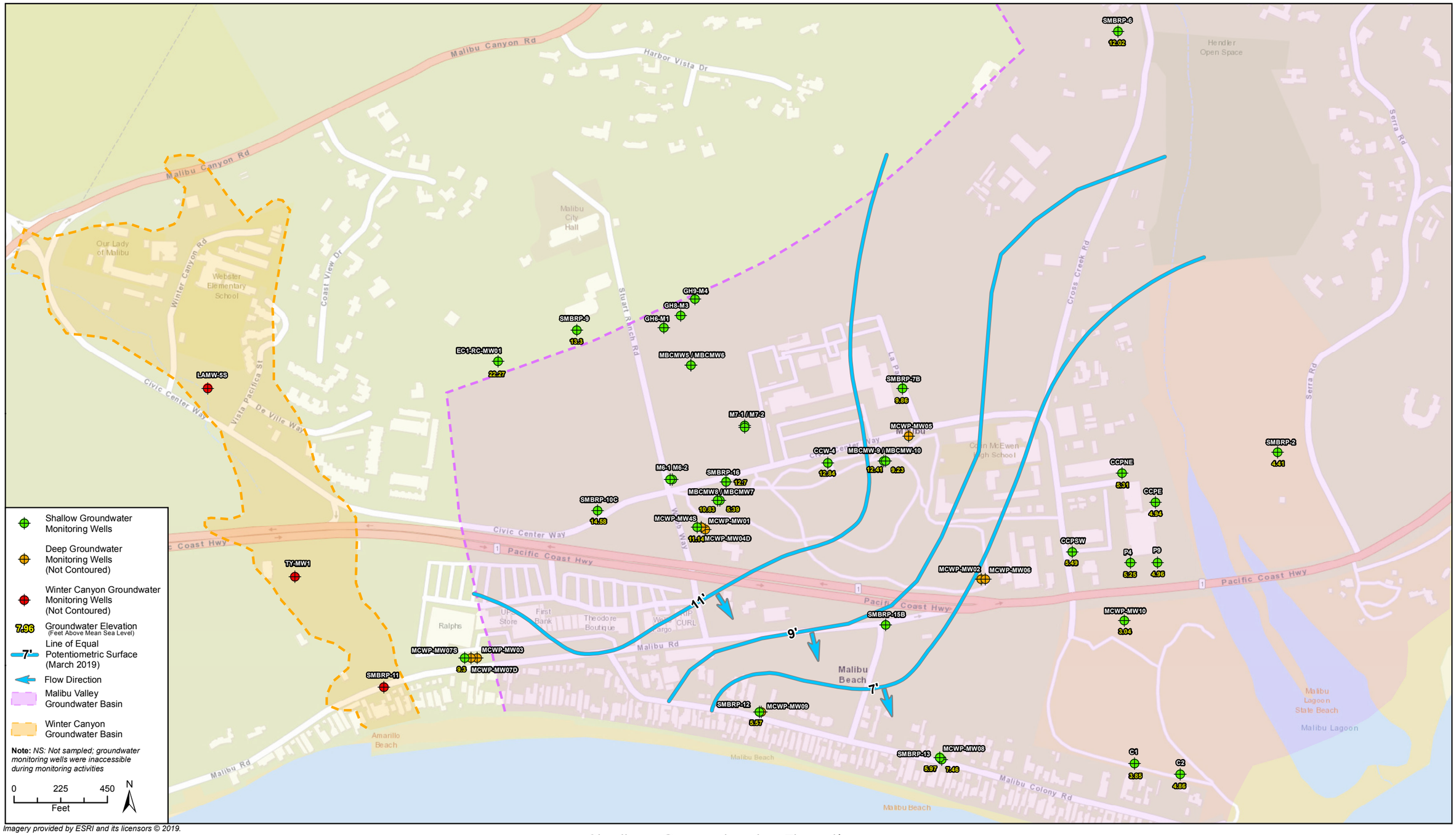


Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
February 2019

Figure 3b

Rincon Consultants Inc.

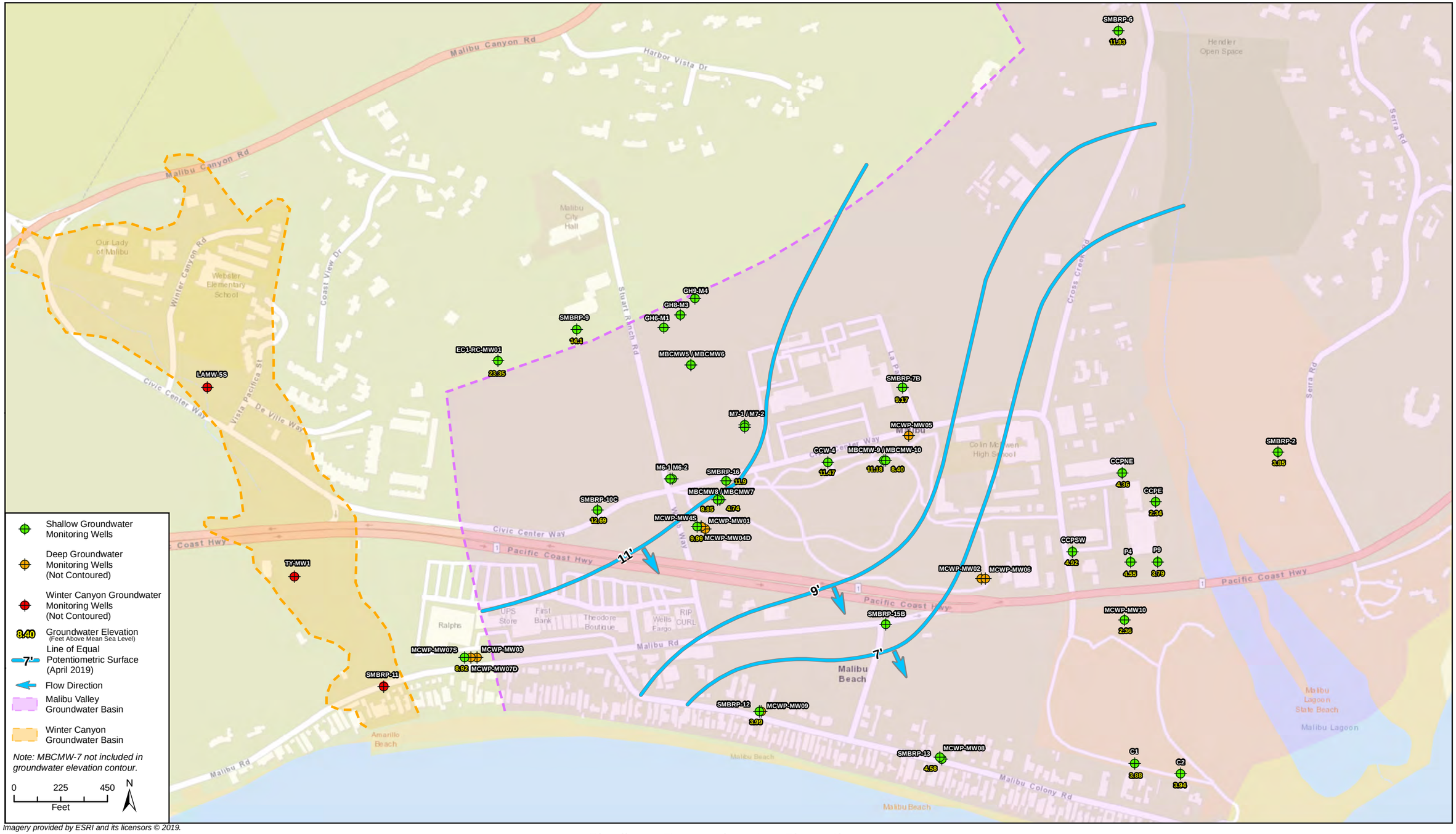


Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
March 2019

Figure 3c

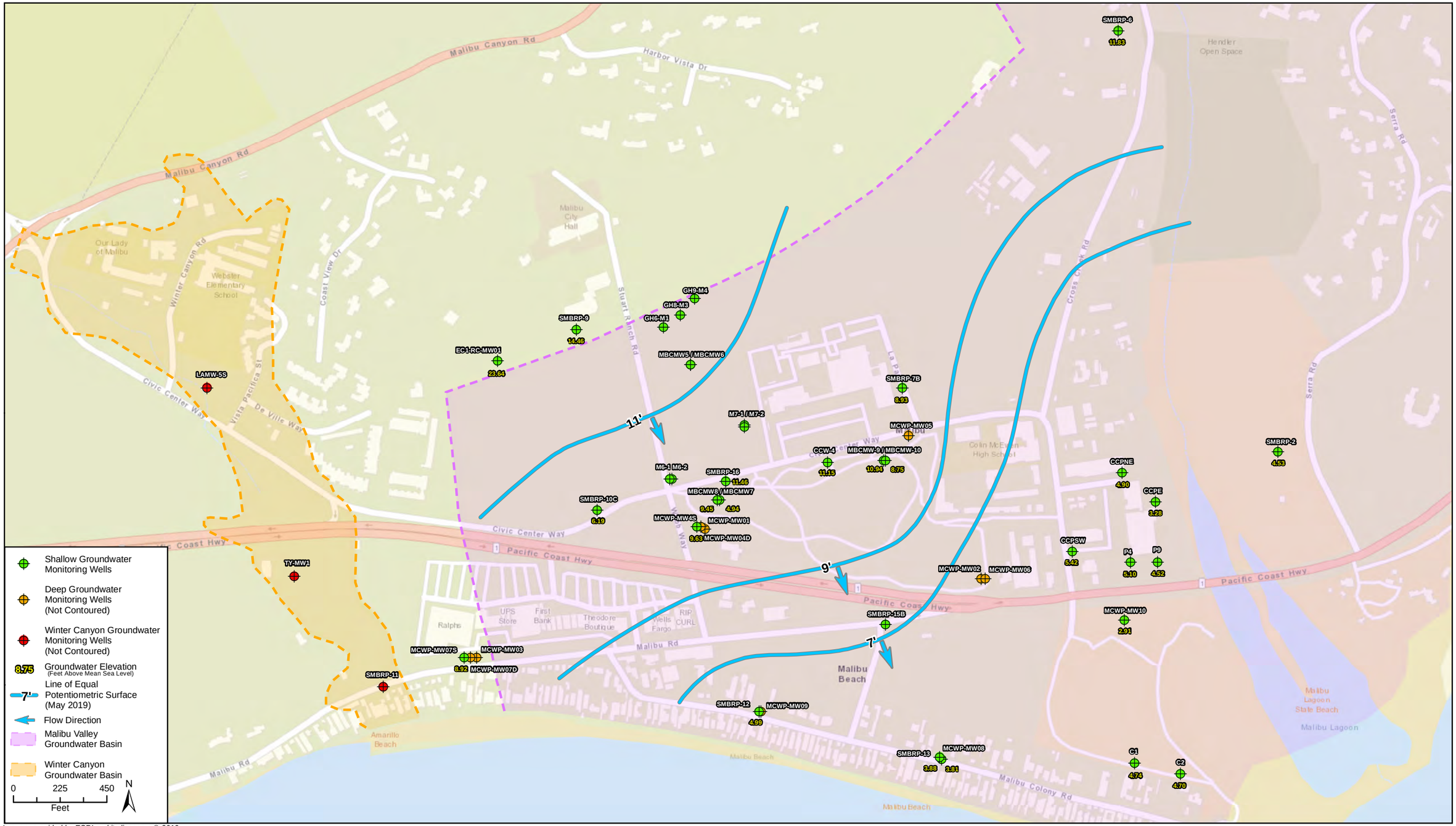
Rincon Consultants Inc.



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
April 2019

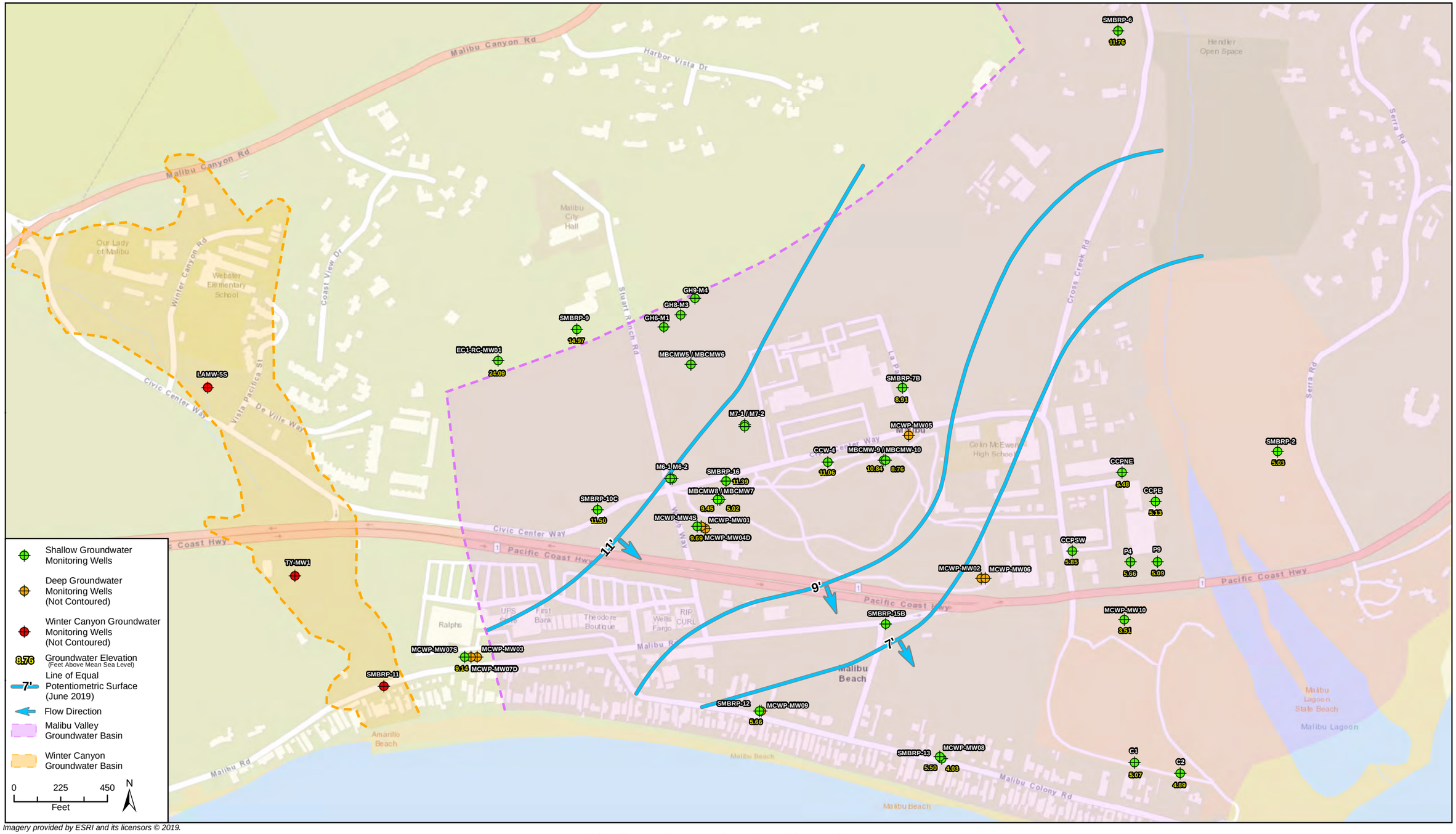
Figure 3d



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
May 2019

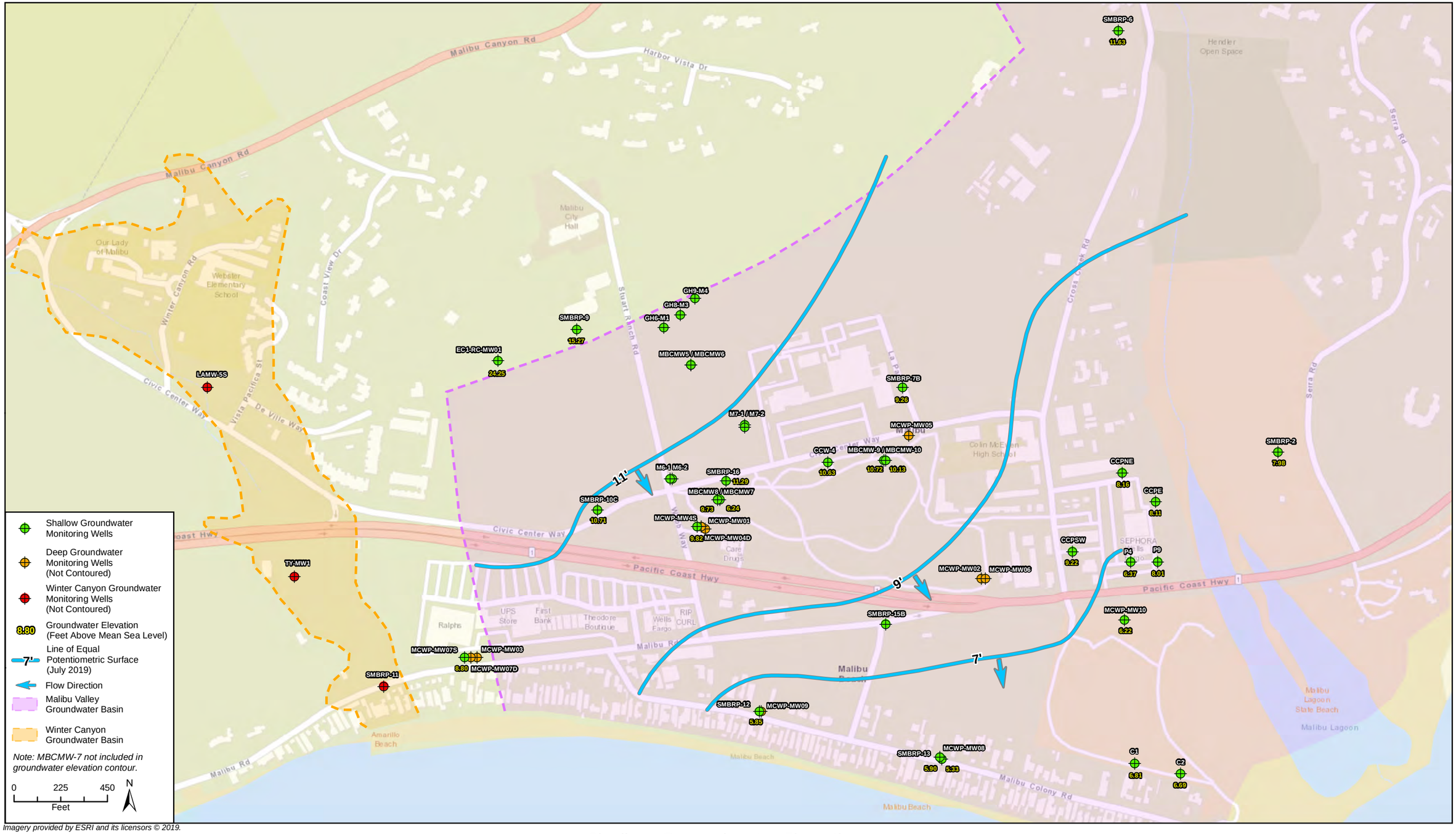
Figure 3e



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
June 2019

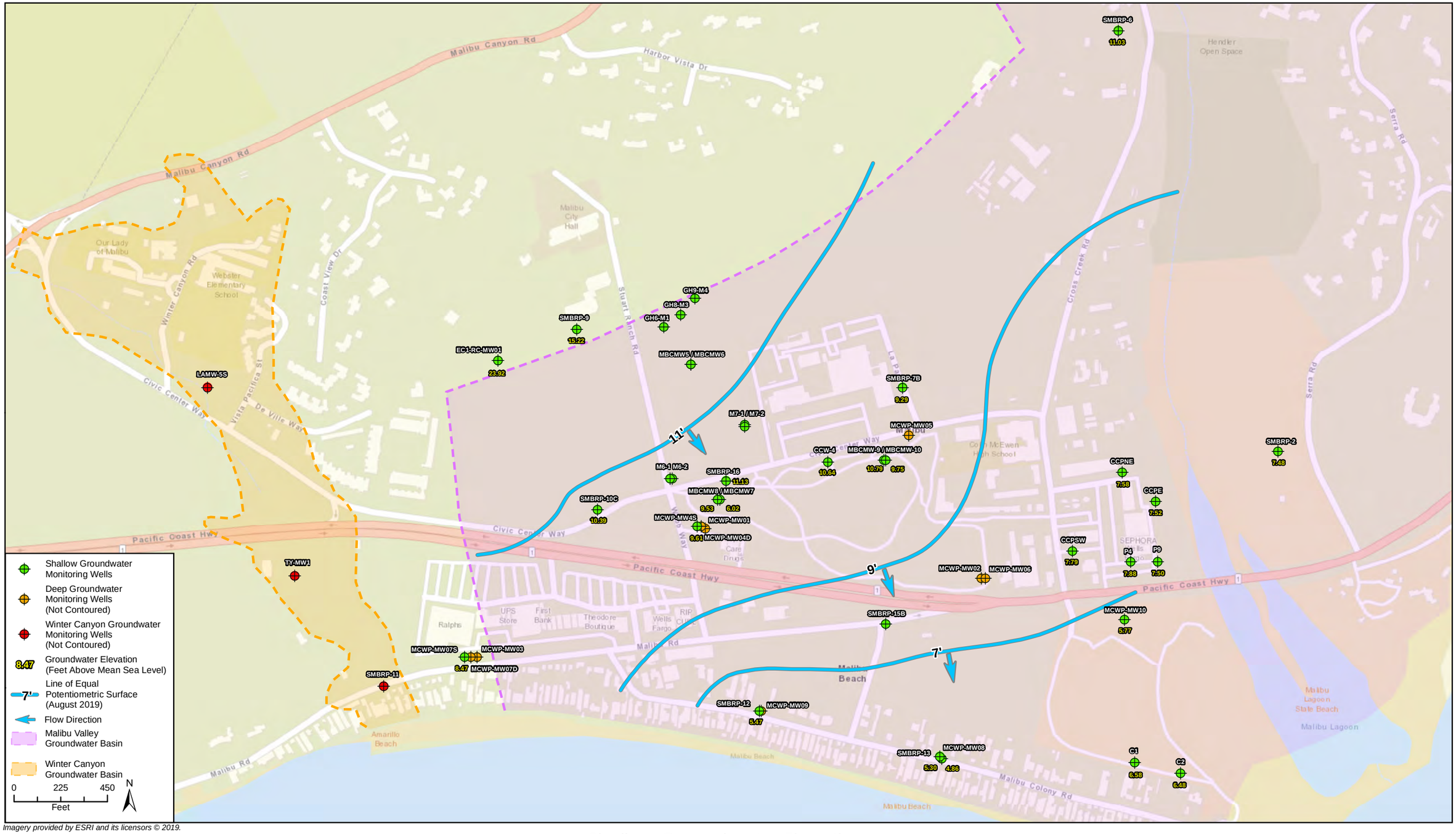
Figure 3f



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
July 2019

Figure 3g



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
August 2019

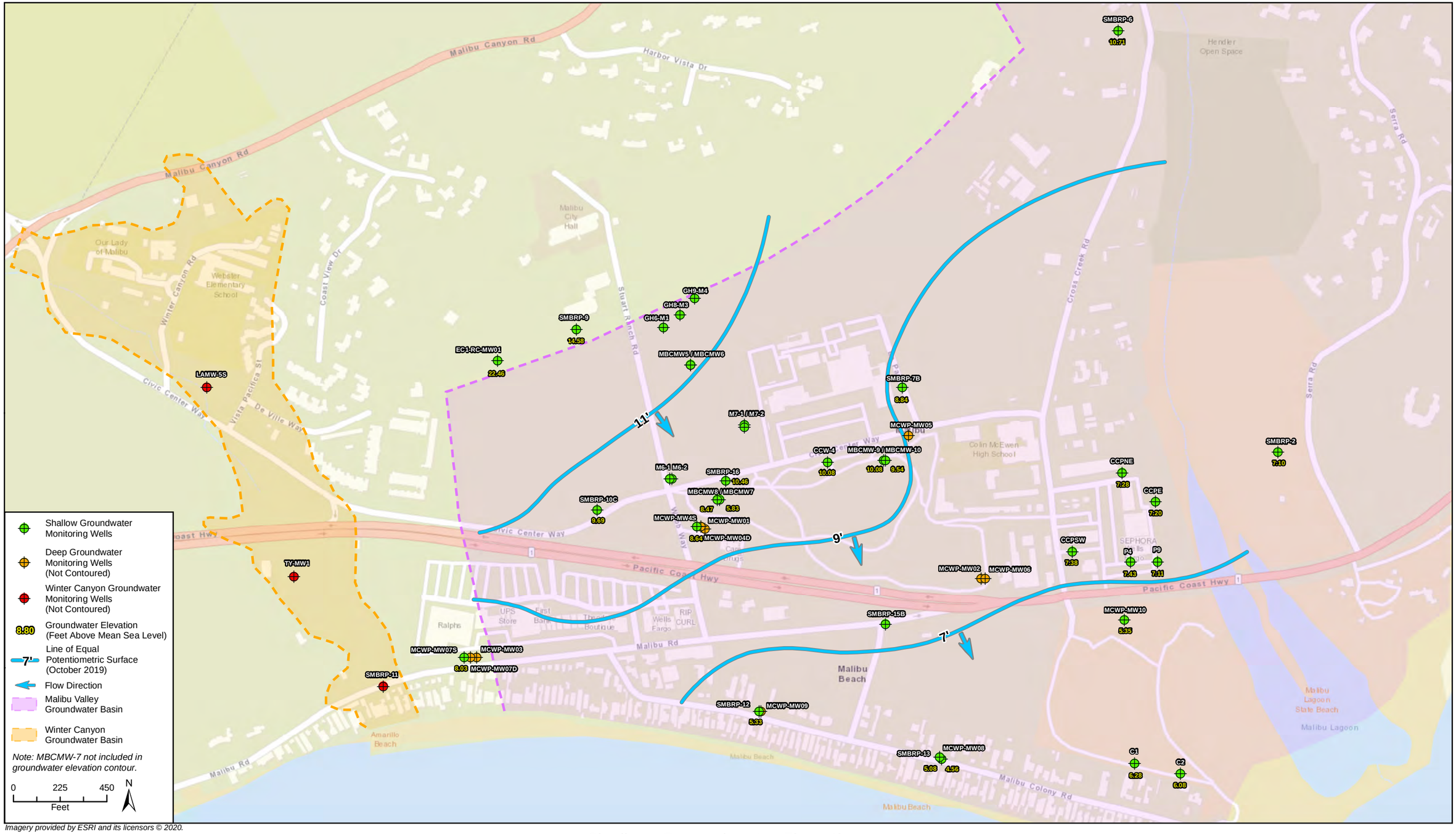
Figure 3h



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
September 2019

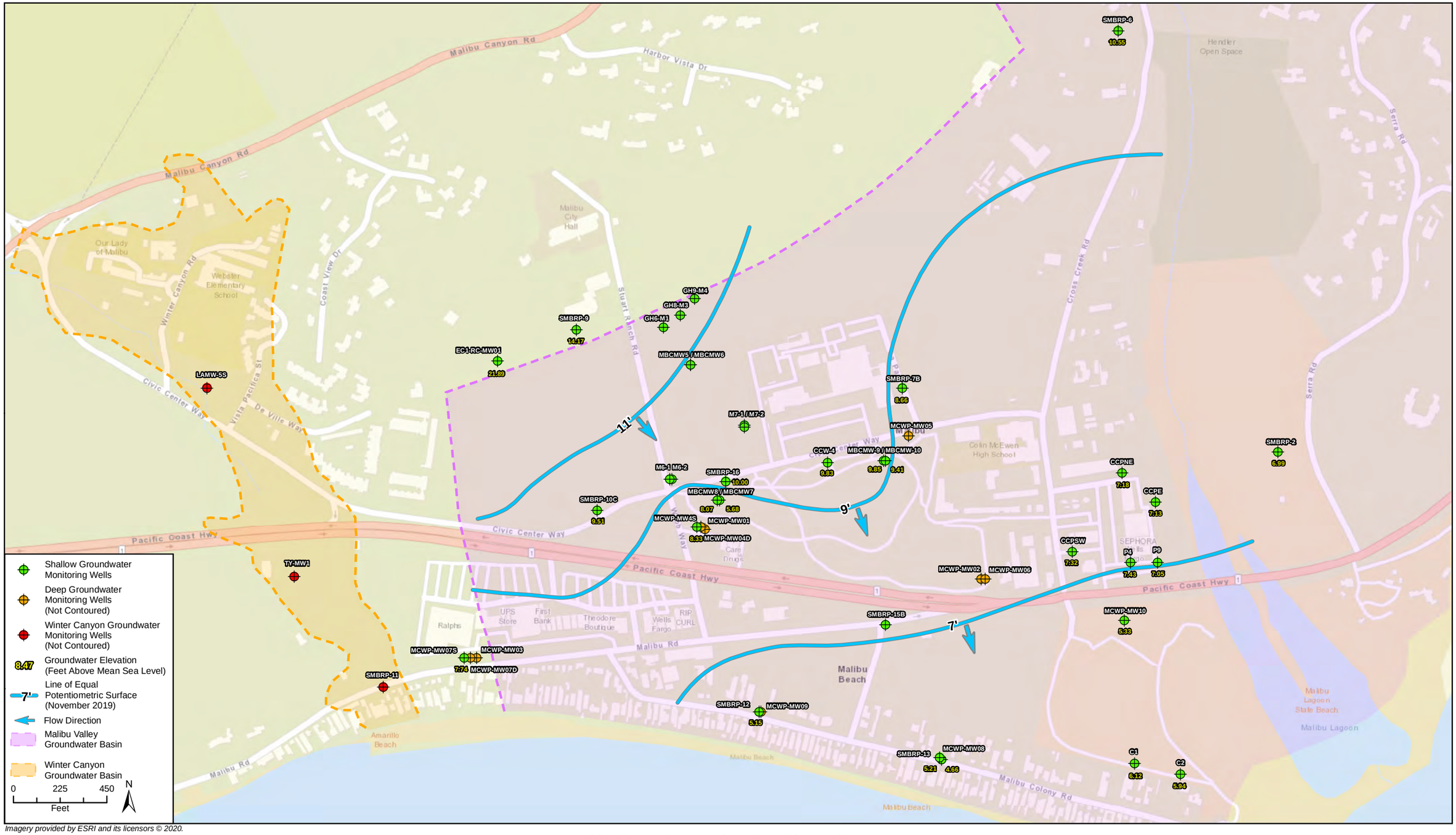
Figure 3i



Imagery provided by ESRI and its licensors © 2020.

Shallow Groundwater Elevation
October 2019

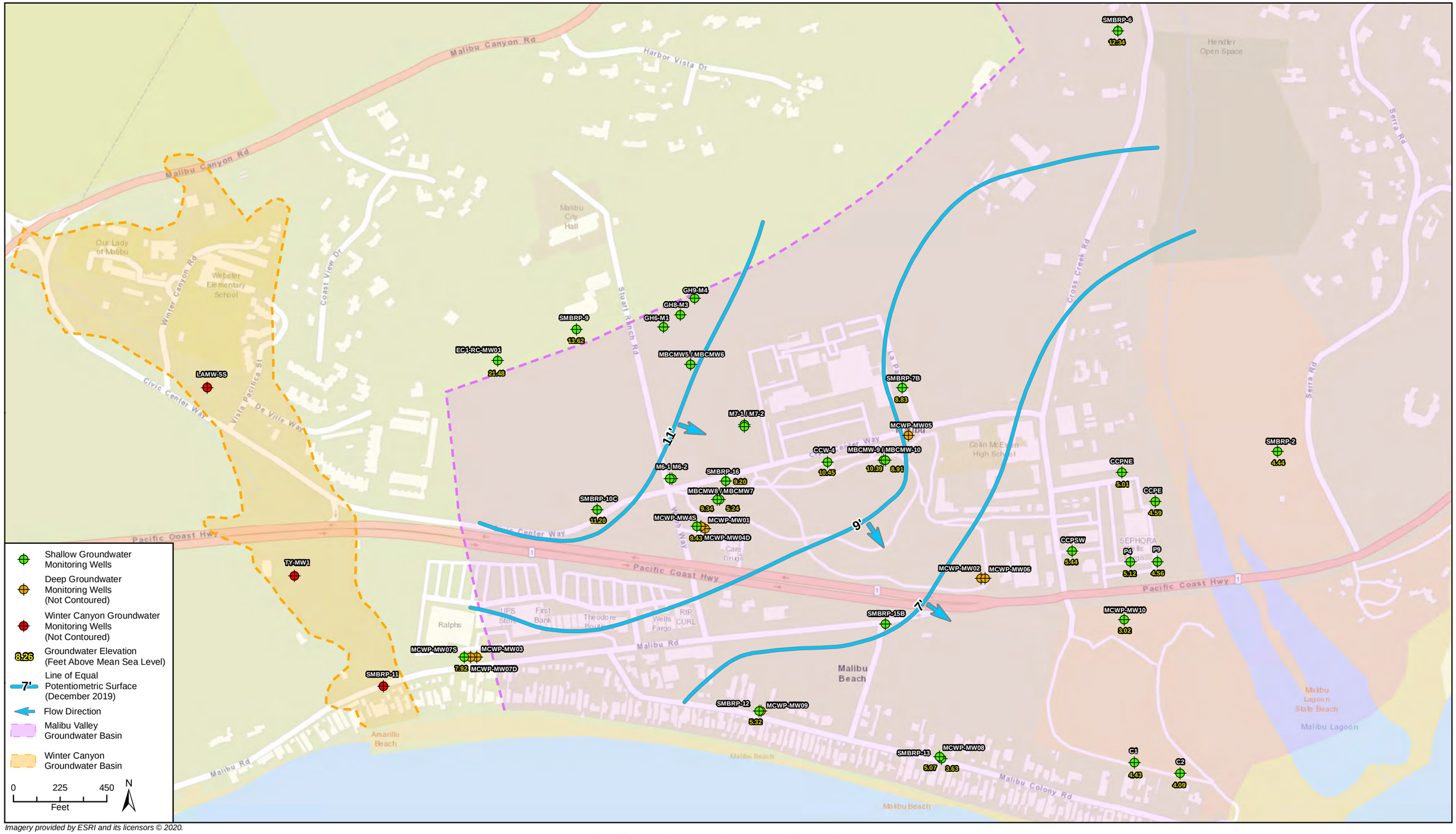
Figure 3j



Imagery provided by ESRI and its licensors © 2020.

Shallow Groundwater Elevation
November 2019

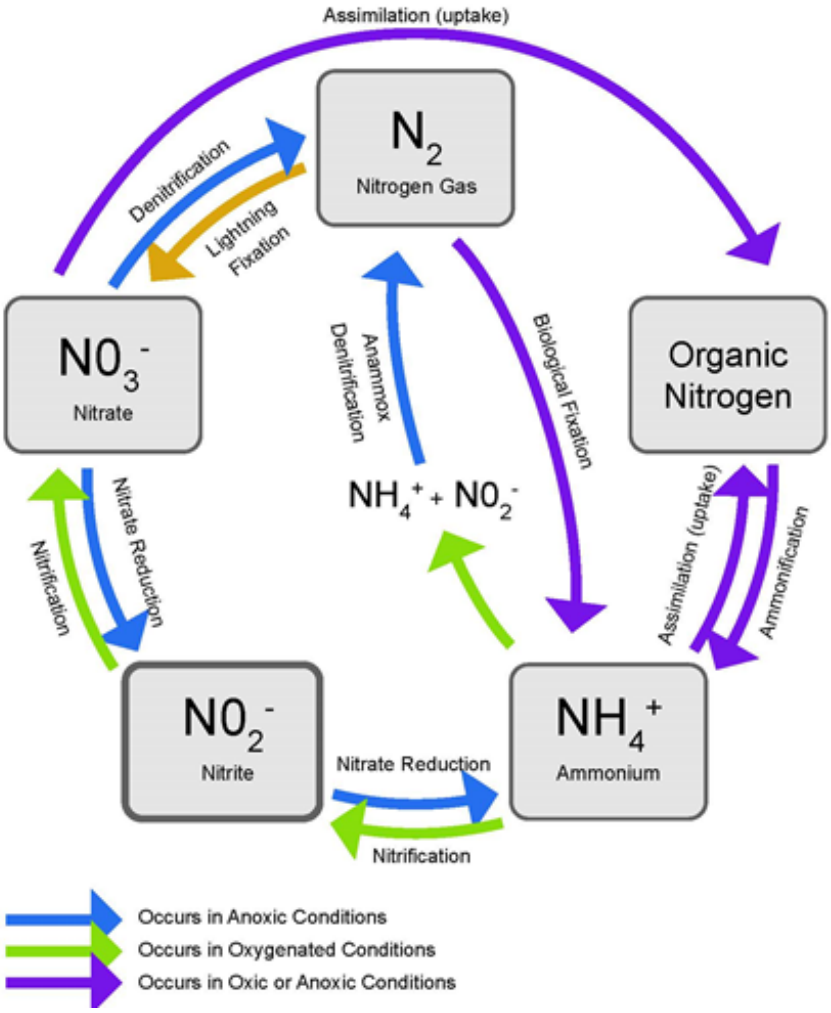
Figure 3k



Imagery provided by ESRI and its licensors © 2020.

Shallow Groundwater Elevation
December 2019

Figure 3l



The Nitrogen Cycle Figure 4

Appendix A

Groundwater and Surface Water Field Sheets

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 2/26/19 Sampled By: Jaime Mcclain / James Grunden

Jan-Mar Apr-Jun July-Sep Oct-Dec
(Circle appropriate)

Estuary (Circle appropriate)
Berm: open / closed

General Weather Conditions
65-80° F
Partly cloudy

General Wind Conditions
Light.

Daily Tides: **Low** Time: Feet: **High** Time: Feet:

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
N-001	1045	calm	clear	clear	none	none	none	Y
N-002	1055	"	"	"	"	"	"	Y
N-003	1115	"	"	"	"	"	"	Y
N-004	1005	CALM	Cloudy	Brown	~~A~~ none	organics	none	Y
L-001	1210	N/A	cloudy	clear/ brown	none	none	black phoebe	Y
L-002	1240	N/A	cloudy	brown	none	foam	mallet/ grackle	Y
L-003	1225	N/A	cloudy	brown	none	none	mallet	Y
L-004	1145	N/A	cloudy	brown	rotten eggs	none	none	Y
L-005	1110	calm	cloudy	clear/ brown	none	none	gulls	Y
L-006	1130	N/A	cloudy	brown	rotten eggs	none	none	Y

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
806 N. Batavia St., Orange, CA 92868	Lab No:	Standard: / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714)771-9933	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants.	Name:	MALIBU (CIVIC) CIVIC CENTER
Report To:	PETER DOREAU	Number:	
Email:	pdoreau@rinconconsultants.com	P.O. #:	15-01597
Address:	78[illegible]	Address:	
	Ventura CA		
Phone:	805 644-4455	Global ID:	
Fax:		Sampled By:	PETER D. NICON.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: SEE Bottles	Test Instructions / Comments
1	LAMW1-SS		1030	W	VARIOUS	VARIOUS	X	
2	SMBRP-9		0945				X	
3	SMBRP-11		1100				X	
4	SMBRP-12		1215				X	
5	SMBRP-13		1300				X	
6	MCWP-MW06S		1100				X	
7	MCWP-MW09		1215				X	
8	MCWP-MW07S		1000				X	
9	MCWP-MW07D		0930				X	
10								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doreau	Rincon / CON SO	2-26-19 / 1345
[1] Received By:		Heather Mac	Enthalpy	2-26-19 1314 S
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.
806 N. Batavia St., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714)771-9933
Billing: Enthalpy - SoCal
c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614

ENTHALPY analytical, inc.

Chain of Custody Record

Lab No:
Page: 1 of 1

Turn Around Time (Rush by advanced notice only)

Standard:		4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	(SS) Malibu Civic Center
Report To:	Peter Doran	Number:	
Email:	pdoran@rinconconsultants.com	P.O. #:	15-01547
Address:	180 Altamead Ave	Address:	
Phone:	626 844 2400	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: SVOCs	Test Instructions / Comments
1	N-001	2-26-19	1045	W	various	various	X	
2	N-002		1055				X	
3	N-003		1115				X	
4	N-004		1005				X	
5	L-001		1210				X	
6	L-002		1240				X	
7	L-003		1225				X	
8	L-004		1145				X	
9	L-005		1110				X	
10	L-006		1150				X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Rincon / Env. Sci.	2-26-19 / 1345
[1] Received By:		Kathy Mu	Enthalpy	2-26-19 13:46
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

Malibu
Monthly Gauging Sheet 3/21/19

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 3/21/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1304	7.62	
C-2	14.5	2	1309	6.33	
CCPE	52	2	1233	8.00	
CCPNE		2	1237	8.37	
CCPSW		2	1244	8.18	
CCW-4		1	1119	2.93	
GH6-M1	35	2	1005	27.61	
GH8-M3	40	2	1000	26.15	
GH9-M4	45	2	—	—	Buried
Lagoon	n/a	n/a	—	—	Inaccessible
LAMW-5S	74	4	1041	45.90	
M6-1	45	2	1025	5.76	
M6-2	20	2	1026	4.05	
M7-1	40	2	1021	6.36	
M7-2	25	2	1020	5.30	
MBCMW-5	19.4	n/a	1010	16.95	
MBCMW-6	64.26	n/a	NA	NA	
MBCMW-7	52.5	2	1110	11.25	
MBCMW-8	10	2	1112	5.70	
MBCMW-9	9	2	1130	5.30	
MBCMW-10	53	2	1131	8.51	
MCWP-MW01	148	6	1052	9.90	
MCWP-MW02	145	6	1322	12.10	
MCWP-MW03	134	6	1341	8.21	
MCWP-MW04D	145	4	1057	9.09	
MCWP-MW04S	20	4	1100	4.15	
MCWP-MW05	150	4	1125	7.55	
MCWP-MW06	137	2	1320	10.09	
MCWP-MW07D	134	2	1341	53.00	
MCWP-MW07S	20	2	1335	4.42	
MCWP-MW08	77	2	1409	41.75	
MCWP-MW09	89	2	1359	6.35	
MCWP-MW10	22	2	1255	8.07	
P-4	12.5	4	1226	6.91	
P-9	14.3	4	1230	7.21	
SMBRP-2	25	2	1213	8.72	
SMBRP-6	25	2	1148	14.86	
SMBRP-7b	25	2	1135	9.13	
SMBRP-8 (EG-RC MW01)	60	4	950	26.42	
SMBRP-9	45	2	940	37.02	
SMBRP-10C	25	2	1035	1.67	
SMBRP-11	20	2	1347	7.31	
SMBRP-12	25	2	1402	7.05	
SMBRP-13	20	2	1408	7.61	
SMBRP-15b	25	1	—	—	Dry
SMBRP-16	25	2	1105	1.8	

Collected by: Nico Navarro

* Also collected GPS coordinates of all wells w/ Trimble

Table 1

Groundwater Monitoring Well Construction Details

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 01 /03 /2018	Time	Depth to Water 8/24/2015 (ft bTOC)	Wellhead Condition/ Notes
C-1	14.5	n/a	11.47	7.06	1111	n/a	
C-2	14.5	2	11.19	6.79	1113	5.11	
CCPE	20	2	12.94	10.41	1013	5.76	
CCPNE		2	13.68	8.63	1015	6.44	
CCPSW		2	13.67	8.60	1019	6.29	
CCW-4		1	15.77	6.71	0941	6.50	
GH6-M1	35	2		28.87	0858	28.92	
GH8-M3	40	2		28.7	0902	28.37	
GH9-M4	45	2		NA		30.31	
LAMW-5S	20	4	104.55	51.63	0924	53.71	furthest from Pepperidge
M6-1	45	2		6.71	0912	6.61	
M6-2	20	2		5.44	~~5.44~~ 0913	5.76	
M7-1	40	2		8.68	0915	8.09	
M7-2	25	2		8.17	0916	7.78	
MBCMW-5	19.4	n/a	29.03	Dry		n/a	18.2 Total Depth; Transducer
MBCMW-6	64.26	n/a	29.02	N/A		n/a	
MBCMW-7	52.5	2	16.64	9.14	0933	11.26	
MBCMW-8	10	2	16.53	3.75	0935	9.11	
MBCMW-9	10	2	17.71	7.82	0946	8.70	
MBCMW-10	53	2	17.74	9.24	0947	8.63	
MCWP-MW01	148	6	17.90	10.95	1027	10.22	
MCWP-MW02	145	6	18.06	11.18	1024	10.39	
MCWP-MW03	134	6		8.78	1035	7.65	
MCWP-MW04D	148	4		10.18	1029	9.35	
MCWP-MW04S	20	4		7.14	1030	7.55	
MCWP-MW05	158	4		8.29	0943	7.62	
MCWP-MW06	153	2		10.72	1022	9.87	
MCWP-MW07D	134	2		8.71	1036	7.51	
MCWP-MW07S	20	2		5.70	1037	6.76	
MCWP-MW08	77	2		8.76	1051	7.64	
MCWP-MW09	95	2	16.30	6.67	1045	7.52	
MCWP-MW10	60	2		8.30	1105	5.70	
P-4	12.5	4	12.16	7.08	1008	4.58	
P-9	14.3	4	12.17	7.51	1010	5.07	
SMBRP-2	25	2	13.13	9.07	1003	6.04	
SMBRP-6	25	2	26.88	15.76	0955	16.49	
SMBRP-7B	45	2	18.99	10.72	0949	10.69	
SMBRP-8 (EG-RC MW01)	60	4		29.1	0850	28.74	
SMBRP-9	45	2	50.32	37.81	0945	38.24	
SMBRP-10C	25	2	16.25	6.79	0921	7.37	
SMBRP-11	20	2	18.35	8.42	1039	8.88	
SMBRP-12	25	2	12.62	7.48	1047	5.69	
SMBRP-13	20	2	13.58	8.20	1053	8.32	
SMBRP-15B	25	1	16.77	DRY	1100	Dry	TWD 7.91
SMBRP-16	25	2	14.50	4.74	0932	4.95	

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time / / 2/25/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1125	7.70	
C-2	14.5	2	1130	7.50	
CCPE	52	2	1045	11.60	* 52.00
CCPNE		2	1050	9.22	
CCPSW		2	1055	8.65	
CCW-4		1	1240	2.83	
GH6-M1	35	2	0925	28.22	
GH8-M3	40	2	0930	27.23	
GH9-M4	45	2		—	BURIED
Lagoon	n/a	n/a		—	
LAMW-5S	74	4	0950	47.48	* 74.15
M6-1	45	2	0940	3.93	
M6-2	20	2	0940	5.33	
M7-1	40	2	0945	6.71	
M7-2	25	2	0945	5.44	
MBCMW-5	19.4	n/a		—	BURIED
MBCMW-6	64.26	n/a		—	BURIED
MBCMW-7	52.5	2	1009	11.65	
MBCMW-8	10	2	1010	5.05	
MBCMW-9	9	2	1255	5.40	* 9.25
MBCMW-10	53	2	1310	9.10	
MCWP-MW01	148	6	0955	11.00	
MCWP-MW02	145	6	1145	12.38	
MCWP-MW03	134	6	1320	8.30	
MCWP-MW04D	145	4	1000	10.17	* 74.15
MCWP-MW04S	20	4	0957	3.70	* 20.40
MCWP-MW05	150	4	1245	8.10	* 154.5
MCWP-MW06	137	2	1150	10.37	* 137.45
MCWP-MW07D	134	2	1325	8.20	* 129.45
MCWP-MW07S	20	2	1330	4.85	* 17.2
MCWP-MW08	77	2	1350	9.15	
MCWP-MW09	89	2	1340	6.60	* 89.25
MCWP-MW10	22	2	1105	8.67	* 22.20
P-4	12.5	4	1034	7.75	
P-9	14.3	4	1040	8.83	
SMBRP-2	25	2	0925	9.19	
SMBRP-6	25	2	0915	14.79	
SMBRP-7b	25	2	1230	9.05	* 40.41
SMBRP-8 (EG-RC MW01)	60	4	0915	27.51	
SMBRP-9	45	2	0900	37.53	* 45.02
SMBRP-10C	25	2	1315	1.6	
SMBRP-11	20	2	1200	7.74	* 20.20
SMBRP-12	25	2	1345	9.07	* 24.80
SMBRP-13	20	2	1355	9.7	* 19.42
SMBRP-15b	25	1	1400	—	WELL IS DRY
SMBRP-16	25	2	1005	1.65	

* = TOTAL WELL DEPTH

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.25.19
Project/Location Malibu, CA Civic Center Area	Well Number: LAMW-S3
Observation Period Start: 0955 Stop: 1030	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico N.

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	74'
Well Diameter (in)	4	Depth of Well (ft)	74.15
Initial/Static Depth to Water (ft)	47.48	Length of Water Column (ft)	26.67
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	17.3	Three Casing Volumes (gal)	52.00
Purge Time, Start	1000	Purge Time, Stop	1025
Total Purge Time (minutes)	25	Purge Rate (gpm)	1.0
Purge Volume (gal)	25	Depth to Water (ft) at Sampling	47.47

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	17.5	25					At Sampling
Temperature (C)	20.8	21.3	21.1	WELL DEWATERED @ 25 GALLONS.				20.8
pH	7.31	6.79	6.81					6.98
Conductivity (µS)	1363	1137	1174					1055
Dissolved Oxygen (mg/L)	4.12	3.96	4.60					4.96
Dissolved Oxygen (%)	46.0	44.8	51.8					55.6
TDS (ppm)	887	739	763					686
Turbidity (NTU)	20.75	11.77	28.42					355
			Depth to Water at End of Purge (ft)	73.33		Drawdown (ft)	25.85	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

47.48 + 0.2 * 25.85 = 52.65

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 2-25-19	
Project/Location Malibu, CA Civic Center Area		Well Number: SMBRP-7B	
Observation Period Start: 0915 Stop: 1115		Survey Reference Point: TOC	
Sampled By: Peter Doran		Witnessed By: NICON.	

PURGING DATA

Type of Pump	HANDBAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	25.10
Initial/Static Depth to Water (ft)	9.05	Length of Water Column (ft)	16.05
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.5	Three Casing Volumes (gal)	7.70
Purge Time, Start	0920	Purge Time, Stop	0940
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.4
Purge Volume (gal)	8.0	Depth to Water (ft) at Sampling	11.05

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	5.0	8.0				At Sampling
Temperature (C)	19.0	18.9	19.1	19.2				20.4
pH	7.17	7.30	7.00	6.99	SLOW READINGS			7.09
Conductivity (µS)	806	884	1386	1400				2747
Dissolved Oxygen (mg/L)	6.24	6.54	3.90	3.72				4.20
Dissolved Oxygen (%)	67.3	70.6	42.8	40.6				46.8
TDS (ppm)	523	880	902	911				1784
Turbidity (NTU)	145.8	120.2	166.8	160.2				52.1

Depth to Water at End of Purge (ft): 19.63 Drawdown (ft): 10.58

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1100

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.05 + 0.2 * 10.58 = 11.16

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2.25.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-9
Observation Period	Start: 1045 Stop: 1110	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico N.

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	45.02
Initial/Static Depth to Water (ft)	37.53	Length of Water Column (ft)	7.49
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.2	Three Casing Volumes (gal)	3.6
Purge Time, Start	1050	Purge Time, Stop	1105
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.3
Purge Volume (gal)	4.0	Depth to Water (ft) at Sampling*	37.49

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	2.5	4.0				At Sampling
Temperature (C)	21.2	21.6	22.1	22.2				21.3
pH	7.08	7.14	7.14	7.14	SLOW RECHARGE			7.14
Conductivity (µS)	1853	1970	2086	2105				2062
Dissolved Oxygen (mg/L)	3.11	3.75	5.41	5.59				5.90
Dissolved Oxygen (%)	35.1	42.7	60.2	64.3				67.0
TDS (ppm)	1224	1291	1352	1366				1341
Turbidity (NTU)	10.6	51.62	216.42	384.60				123.6

Depth to Water at End of Purge (ft)	43.84	Drawdown (ft)	6.31

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	Cloudy

Comments: Sampled Time:* 0930 0945

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

37.53 + 0.2 * 6.31 = 38.79

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2-25-19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP -HH11
Observation Period	Start: 1230 Stop: 1300	Survey Reference Point:	(TOC)
Sampled By:	Peter Doran	Witnessed By:	

PURGING DATA

Type of Pump	~~Hand~~ Bat Elec SUB.	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	20.20
Initial/Static Depth to Water (ft)	7.74	Length of Water Column (ft)	12.46
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.0	Three Casing Volumes (gal)	6.0
Purge Time, Start	1235	Purge Time, Stop	1245
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.5
Purge Volume (gal)	5.0	Depth to Water (ft) at Sampling	7.7

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	5.0				At Sampling
Temperature (C)	21.3	20.7	21.1	21.0				20.4
pH	6.93	7.07	7.05	7.05	WELL DEWATERED			7.22
Conductivity (µS)	2668	1672	1745	1761	@			1907
Dissolved Oxygen (mg/L)	3.52	2.93	3.61	3.70	5 GALLONS.			4.39
Dissolved Oxygen (%)	39.1	32.3	40.4	41.6				48.7
TDS (ppm)	1735	1087	1131	1145				1239
Turbidity (NTU)	167.9	61.2	261.9	463.2				99.8

Depth to Water at End of Purge (ft)	19.90	Drawdown (ft)	12.16

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Cloudy

Comments: Sampled Time: 1100

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.74 + 0.2 * 12.16 = 10.17

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 2·26·19	
Project/Location Malibu, CA Civic Center Area		Well Number: SMBRP-12	
Observation Period Start: 1130 Stop: 1220		Survey Reference Point: TOC	
Sampled By: Peter Doran		Witnessed By: Nico N.	

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	24.9
Initial/Static Depth to Water (ft)	8.07	Length of Water Column (ft)	16.73
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.67	Three Casing Volumes (gal)	8.03
Purge Time, Start	1140	Purge Time, Stop	1200
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.4
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	8.07

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	5.5	8.5				At Sampling
Temperature (C)	20.7	20.8	20.6	20.6				
pH	6.95	6.90	6.91	6.91				
Conductivity (µS)	2946	2597	2613	2657				
Dissolved Oxygen (mg/L)	3.32	2.63	2.70	2.71				
Dissolved Oxygen (%)	36.9	29.4	29.9	29.8				
TDS (ppm)	1914	1688	1698	1791				
Turbidity (NTU)	121.6	134.5	130.7	168.6				

Depth to Water at End of Purge (ft): 8.09 Drawdown (ft): 0.02

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1215

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.07 + 0.2 * 0.02 = 8.01

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2/26/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-13
Observation Period	Start: Stop:	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico N.

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	-
Well Diameter (in)	2	Depth of Well (ft)	19.42
Initial/Static Depth to Water (ft)	9.70	Length of Water Column (ft)	9.72
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.5	Three Casing Volumes (gal)	4.6
Purge Time, Start	1240	Purge Time, Stop	1250
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.5
Purge Volume (gal)	5	Depth to Water (ft) at Sampling	9.70

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	3.5	5.0				At Sampling
Temperature (C)	19.2	19.2	19.5	19.3				
pH	7.02	7.05	7.02	7.05				
Conductivity (µS)	3026	3057	4113	3939				
Dissolved Oxygen (mg/L)	5.22	5.17	3.23	4.80				
Dissolved Oxygen (%)	57.1	56.6	~~38~~ 35.5	52.8				
TDS (ppm)	1826	1986	2674	2560				
Turbidity (NTU)	363.1	311	70.38	452				

Depth to Water at End of Purge (ft)	9.90	Drawdown (ft)	0.2

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	(now:)
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	cloudy

Comments: Sampled Time: 1300

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.70 + 0.2 * 0.2 = 9.74

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.25.19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW04S
Observation Period Start: 1115 Stop: 1150	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By:

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	19'
Well Diameter (in)	4	Depth of Well (ft)	20.40
Initial/Static Depth to Water (ft)	3.70	Length of Water Column (ft)	16.70
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	10.9	Three Casing Volumes (gal)	32.5
Purge Time, Start	1120	Purge Time, Stop	1140
Total Purge Time (minutes)	20	Purge Rate (gpm)	1.25
Purge Volume (gal)	25.0	Depth to Water (ft) at Sampling	3.92

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	11.0	22.0	25.0				At Sampling
Temperature (C)	22.7	22.8	22.1	22.0	WELL			20.5
pH	7.26	7.25	7.23	7.23	DEWATERED			7.25
Conductivity (µS)	6903	6984	6899	6891	@ 25 Gallons.			6907
Dissolved Oxygen (mg/L)	4.49	4.25	4.09	4.05				7.03
Dissolved Oxygen (%)	52.4	50.3	47.2	46.6				79.9
TDS (ppm)	4411	4541	4496	4481				4427
Turbidity (NTU)	50.28	9.71	5.85	4.35				8.20
			Depth to Water at End of Purge (ft)	18.96		Drawdown (ft)	15.26	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1100 - 2.26.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

3.70 + 0.2 * 15.26 = 6.75

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.27.19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP- MW04D
Observation Period Start: 1100 Stop: 1330	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico Navarro

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	142
Well Diameter (in)	4	Depth of Well (ft)	145
Initial/Static Depth to Water (ft)	10.17	Length of Water Column (ft)	134.83
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	87.64	Three Casing Volumes (gal)	262.92
Purge Time, Start	1115	Purge Time, Stop	1255
Total Purge Time (minutes)	100	Purge Rate (gpm)	2.6
Purge Volume (gal)	263	Depth to Water (ft) at Sampling	10.17

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	88	175	263				At Sampling
Temperature (C)	19.5	19.5	19.7	19.7				
pH	7.24	7.13	7.10	7.10				
Conductivity (µS)	2135	2154	2158	2158				
Dissolved Oxygen (mg/L)	5.15	3.46	2.41	2.91				
Dissolved Oxygen (%)	55.5	37.9	26.7	32.0				
TDS (ppm)	1388	1400	1402	1403				
Turbidity (NTU)	6.83	3.45	0.96	1.68				

Depth to Water at End of Purge (ft): 10.37 | Drawdown (ft): 0.20

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1300

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.17 + 0.2 * 0.20 = 10.21

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.28.2019
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW05
Observation Period Start: 0925 Stop: 1145	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico Navarro

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	152
Well Diameter (in)	4	Depth of Well (ft)	~~150~~ 154.5
Initial/Static Depth to Water (ft)	8.1	Length of Water Column (ft)	146.4
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	95.16	Three Casing Volumes (gal)	285.48
Purge Time, Start	0845	Purge Time, Stop	1115
Total Purge Time (minutes)	150	Purge Rate (gpm)	1.9
Purge Volume (gal)	285.5	Depth to Water (ft) at Sampling	8.12

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	95.5	190.5	285.5				At Sampling
Temperature (C)	~~95~~ 18.0	18.7	19.0	19.1				
pH	7.15	7.15	7.15	7.16				
Conductivity (µS)	1893	1893	2039	1945				
Dissolved Oxygen (mg/L)	3.40	3.05	2.55	2.50				
Dissolved Oxygen (%)	36.3	32.7	27.6	26.7				
TDS (ppm)	1231	1230	1824	1264				
Turbidity (NTU)	1.36	4.84	~~5~~5.35	3.32				

Depth to Water at End of Purge (ft): 8.38 Drawdown (ft): 0.28

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1125

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.10 + 0.2 * 0.28 = 8.15

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2-27-19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW06
Observation Period	Start: 0930 Stop: 0940	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico M.

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	120
Well Diameter (in)	2	Depth of Well (ft)	137.45
Initial/Static Depth to Water (ft)	10.37	Length of Water Column (ft)	127.08
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.3	Three Casing Volumes (gal)	60.99
Purge Time, Start	0850	Purge Time, Stop	0920
Total Purge Time (minutes)	30	Purge Rate (gpm)	2.0
Purge Volume (gal)	61.0	Depth to Water (ft) at Sampling	10.37

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	20.5	41.0	61.0				At Sampling
Temperature (C)	18.9	19.7	20.1	20.1				
pH	7.31	7.31	7.32	7.31				
Conductivity (µS)	1980	2052	2083	2089				
Dissolved Oxygen (mg/L)	3.16	3.19	3.07	3.05				
Dissolved Oxygen (%)	34.0	35.0	33.6	33.3				
TDS (ppm)	1289	1333	1353	1357				
Turbidity (NTU)	12.0	13.5	5.4	3.5				

Depth to Water at End of Purge (ft): 10.68 Drawdown (ft): 0.31

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 0930

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

_____ + 0.2 * 0.31 = _____

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 2/26/2019	
Project/Location Malibu, CA Civic Center Area		Well Number: MCWP - MW075	
Observation Period Start: 0900 Stop: 1015		Survey Reference Point: TOC	
Sampled By: Peter Doran		Witnessed By: Nico Navarro	

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	20
Initial/Static Depth to Water (ft)	4.85	Length of Water Column (ft)	20 - 4.85 = 15.15
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	15.15 x 0.16 = 2.42	Three Casing Volumes (gal)	15.15 x 0.16 x 3 = ~~2.42~~ = 7.27
Purge Time, Start	~~0955~~ 0930	Purge Time, Stop	0940
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.4
Purge Volume (gal)	4.0	Depth to Water (ft) at Sampling	4.90

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	4.0					At Sampling
Temperature (C)	19.2	19.1	well dewatered @ 4.0 Gallons					19.3
pH	7.43	7.43						7.33
Conductivity (µS)	1570	1864						1953
Dissolved Oxygen (mg/L)	6.16	6.00						5.96
Dissolved Oxygen (%)	66.9	65.2						65.0
TDS (ppm)	1215	1212						1205
Turbidity (NTU)	267	251						134

Depth to Water at End of Purge (ft): 19.36 Drawdown (ft): 14.51

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy.

Comments: Sampled Time: 1000

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

4.85 + 0.2 * 14.51 = 7.75

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2·26·19
Project/Location Malibu, CA Civic Center Area	Well Number: M/CWP - MW07D
Observation Period Start: 0840 Stop: 0940	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By:

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	127
Well Diameter (in)	2	Depth of Well (ft)	129.45
Initial/Static Depth to Water (ft)	8.20	Length of Water Column (ft)	121.25
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.4	Three Casing Volumes (gal)	58.2
Purge Time, Start	0850	Purge Time, Stop	0920
Total Purge Time (minutes)	30	Purge Rate (gpm)	~~0.5~~ 2.0
Purge Volume (gal)	60.0	Depth to Water (ft) at Sampling	8.20

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	~~39.0~~	60.0				At Sampling
Temperature (C)	19.5	20.6	20.8	20.8				
pH	7.06	7.12	7.11	7.10				
Conductivity (µS)	3010	3047	3070	3076				
Dissolved Oxygen (mg/L)	2.67	2.97	2.22	2.19				
Dissolved Oxygen (%)	29.4	33.3	24.8	24.5				
TDS (ppm)	1955	1976	1992	1998				
Turbidity (NTU)	35.8	31.1	30.6	30.2				

Depth to Water at End of Purge (ft): 9.01 | Drawdown (ft): 0.81

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: Non-Hazardous Waste

Water Level Indicator: Solinst Model 101

Weather Conditions: Cloudy

Comments: Sampled Time: 0930

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.20 + 0.2 * 0.81 = 8.36

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2-27-19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW09
Observation Period Start: 1130 Stop: 1220	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico N.

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	87'
Well Diameter (in)	2	Depth of Well (ft)	89.25
Initial/Static Depth to Water (ft)	6.60	Length of Water Column (ft)	82.65
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.2	Three Casing Volumes (gal)	39.7
Purge Time, Start	1140	Purge Time, Stop	1200
Total Purge Time (minutes)	20	Purge Rate (gpm)	2.0
Purge Volume (gal)	40.0	Depth to Water (ft) at Sampling	6.62

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	26.5	40.0				At Sampling
Temperature (C)	20.8	21.1	21.1	21.1				
pH	7.35	7.36	7.34	7.39				
Conductivity (µS)	2919	2976	2978	3022				
Dissolved Oxygen (mg/L)	2.22	2.75	2.66	2.68				
Dissolved Oxygen (%)	24.9	30.8	29.7	30.0				
TDS (ppm)	1897	1934	1935	1965				
Turbidity (NTU)	13.8	10.4	8.8	3.8				
			Depth to Water at End of Purge (ft)	7.86		Drawdown (ft)	1.26	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1215

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.60 + 0.2 * 1.26 = 6.85

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2.27.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW1D
Observation Period	Start: 0950 Stop: 1020.	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico N.

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	22'
Well Diameter (in)	2	Depth of Well (ft)	22.20
Initial/Static Depth to Water (ft)	8.67	Length of Water Column (ft)	13.53
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.16	Three Casing Volumes (gal)	6.49
Purge Time, Start	0955	Purge Time, Stop	1002
Total Purge Time (minutes)	7	Purge Rate (gpm)	1.0
Purge Volume (gal)	6.5	Depth to Water (ft) at Sampling	8.65

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	4.5	6.5				At Sampling
Temperature (C)	20.9	21.2	21.2	21.3				
pH	7.04	7.00	7.02	7.05				
Conductivity (µS)	3016	3095	3098	3103				
Dissolved Oxygen (mg/L)	2.17	1.82	2.10	2.11				
Dissolved Oxygen (%)	24.2	21.2	23.8	24.1				
TDS (ppm)	1962	2008	2013	2017				
Turbidity (NTU)	45.6	23.8	16.2	8.8				

Depth to Water at End of Purge (ft)	8.79	Drawdown (ft)	0.12

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	Cloudy.

Comments: Sampled Time: 1015

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.67 + 0.2 * 0.12 = 8.69

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	2.23.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MBCMW-9
Observation Period	Start: 0945 Stop: 1015	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico N.

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	9.25
Initial/Static Depth to Water (ft)	5.40	Length of Water Column (ft)	3.85
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.6	Three Casing Volumes (gal)	1.8
Purge Time, Start	0955	Purge Time, Stop	0900
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.2
Purge Volume (gal)	0.75	Depth to Water (ft) at Sampling	5.40

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	0.75						At Sampling
Temperature (C)	17.8	17.9	WELL					17.7
pH	6.98	6.91	DEWATERED @					6.91
Conductivity (µS)	6440	6441	0.75					6764
Dissolved Oxygen (mg/L)	4.00	4.00	GALLONS.					~~6.84~~ 5.21
Dissolved Oxygen (%)	43.0	43.0						55.9
TDS (ppm)	4182	4197						4397
Turbidity (NTU)	515.6	506.1						66.9

Depth to Water at End of Purge (ft)	9.15	Drawdown (ft)	3.75

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good, OK

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1015

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.40 + 0.2 * 3.75 = 6.15

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 2.27.19
Project/Location Malibu, CA Civic Center Area	Well Number: CCPE
Observation Period Start: 1020 Stop: 1100	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico Navarro

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	50'
Well Diameter (in)	2	Depth of Well (ft)	52
Initial/Static Depth to Water (ft)	11.6	Length of Water Column (ft)	40.4
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	6.46	Three Casing Volumes (gal)	19.39
Purge Time, Start	1030	Purge Time, Stop	1040
Total Purge Time (minutes)	10	Purge Rate (gpm)	2.0
Purge Volume (gal)	19.5	Depth to Water (ft) at Sampling	11.2

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	6.5	13	19.5				At Sampling
Temperature (C)	19.6	19.9	20.1	20.0				
pH	7.11	7.04	7.06	7.06				
Conductivity (µS)	1899	1850	1886	1894				
Dissolved Oxygen (mg/L)	2.29	2.18	2.94	2.97				
Dissolved Oxygen (%)	24.8	23.7	32.6	33.2				
TDS (ppm)	1227	1203	1227	1231				
Turbidity (NTU)	10.7	9.9	7.6	3.5				

Depth to Water at End of Purge (ft): 11.45 Drawdown (ft): —

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 1050

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

~ + 0.2 * ~ = ~

Malibu

Monthly Gauging Sheet

Date: 4/24/19

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 4/24/19 ~~4/25/19~~	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1425	7.59	
C-2	14.5	2	1430	7.25	
CCPE	52	2	1337	10.60	
CCPNE		2	1333	9.32	
CCPSW		2	1345	8.75	
CCW-4		1	1144	4.30	
GH6-M1	35	2	1042	26.40	
GH8-M3	40	2	1045	24.23	
GH9-M4	45	2	—	—	Buried
Lagoon	n/a	n/a	—	—	Could not locate
LAMW-5S	74	4	1113	46.75	
M6-1	45	2	1056	6.29	
M6-2	20	2	1058	4.51	
M7-1	40	2	1050	7.00	
M7-2	25	2	1048	6.05	
MBCMW-5	19.4	n/a	—	—	Buried
MBCMW-6	64.26	n/a	—	—	
MBCMW-7	52.5	2	1124	11.90	
MBCMW-8	10	2	1125	6.68	
MBCMW-9	9	2	1152	6.53	
MBCMW-10	53	2	1153	9.34	
MCWP-MW01	148	6	1131	11.02	
MCWP-MW02	145	6	1456	12.60	
MCWP-MW03	134	6	1506	43.4	
MCWP-MW04D	145	4	1134	10.27	
MCWP-MW04S	20	4	1137	5.30	
MCWP-MW05	150	4	1149	8.34	
MCWP-MW06	137	2	1454	10.46	
MCWP-MW07D	134	2	1508	52.70	
MCWP-MW07S	20	2	1510	4.80	
MCWP-MW08	77	2	1533	41.98	
MCWP-MW09	89	2	1525	6.55	
MCWP-MW10	22	2	1418	8.75	
P-4	12.5	4	1322	7.61	
P-9	14.3	4	1545	8.38	
SMBRP-2	25	2	1238	9.28	
SMBRP-6	25	2	1209	15.05	
SMBRP-7b	25	2	1200	9.82	
SMBRP-8 (EG-RC MW01)	60	4	1032	25.34	
SMBRP-9	45	2	1025	36.22	
SMBRP-10C	25	2	1108	3.56	
SMBRP-11	20	2	1515	7.84	
SMBRP-12	25	2	1523	8.63	
SMBRP-13	20	2	1530	9.00	
SMBRP-15b	25	1	—	—	Dry
SMBRP-16	25	2	1120	2.60	

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 5/8/19 Sampled By: CY JM

Jan-Mar (Apr-Jun) July-Sep Oct-Dec (Circle appropriate)

Estuary (Circle appropriate)
Berm: (open) / closed

General Weather Conditions: cloudy, overcast, humid

General Wind Conditions: light wind on beach < 3 kts

Daily Tides: **Low** Time: 17:45 Feet: 2.5 **High** Time: 13:35 Feet: 3.2

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
N-001	1100	rough	clear	clear	none	none	none	Y
N-002	1115	↓	↓	↓	↓	↓	↓	↓
N-003	1136	↓	↓	↓	↓	↓	↓	↓
N-004	10:20	↓	↓	↓	↓	↓	↓	↓
L-001	1200	N/A	cloudy	clear	none	↓	ducks	↓
L-002	1235	N/A	↓	red/ brown	none	↓	none	↓
L-003	1210	N/A	↓	↓	rotten eggs	↓	~~ferns~~, gulls, pelican	↓
L-004	1145	N/A	↓	↓	rotten eggs	↓	ferns, gulls, pelican	↓
L-005	1220	N/A	↓	↓	none	↓	~~ferns~~ gulls pelicans	↓
L-006	1140	N/A	↓	↓	rotten eggs	↓	fern	↓

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 5/7 /19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1040	6.73	*
C-2	14.5	2	1045	6.49	*
CCPE	52	2	1005	9.66	*
CCPNE		2	1010	8.78	*
CCPSW		2	1015	8.25	*
CCW-4		1	1037	4.62	2/2 TAB/Bolts
GH6-M1	35	2	0956	25.94	2/2 TABS/Bolts missing
GH8-M3	40	2	0951	23.95	2/2 TABS/Bolts missing
GH9-M4	45	2	—	—	Buried
Lagoon	n/a	n/a	—	—	Not measured
LAMW-5S	74	4	1125	47.09	TD= 74.18 1/2 TAB RT/Bolts.
M6-1	45	2	0930	6.29	2/2 TABS RT / 2/2 3 Plugs
M6-2	20	2	0932	4.55	
M7-1	40	2	0939	6.76	2/2 3 plugs / SEAL.
M7-2	25	2	0940	5.97	
MBCMW-5	19.4	2 n/a	0944	16.55	2/2 Bolts missing (1/2)
MBCMW-6	64.26	n/a	—	—	N/A
MBCMW-7	52.5	2	1025	11.70	3/3 TABS/Bolts missing (1/2)
MBCMW-8	10	2	1022	7.09	(FLUSH CAPS)
MBCMW-9	9	2	1044	6.77	
MBCMW-10	53	2	1045	8.99	
MCWP-MW01	148	6	1015	10.61	
MCWP-MW02	145	6	1055	12.10	*
MCWP-MW03	134	6	1115	7.82	*
MCWP-MW04D	145	4	1012	9.79	TD= 145.33 1/2 Bolts missing / SEAL
MCWP-MW04S	20	4	1010	5.66	TD= 20.39
MCWP-MW05	150	4	1040	8.07	2/2 TABS missing
MCWP-MW06	137	2	1100	10.28	*
MCWP-MW07D	134	2	1120	7.67	TD= 129.4 *
MCWP-MW07S	20	2	1125	4.80	TD= 17.0 *
MCWP-MW08	77	2	1155	8.40	*
MCWP-MW09	89	2	1150	6.25	TD= 90.0
MCWP-MW10	22	2	1215	8.20	*
P-4	12.5	4	950	7.06	*
P-9	14.3	4	955	7.65	*
SMBRP-2	25	2	935	8.60	*
SMBRP-6	25	2	925	15.05	*
SMBRP-7b	25	2	1052	10.06	SEAL
SMBRP-8 (EG-RC MW01)	60	4	920	25.05	2/2 TB-RT/Bolts/SEAL
SMBRP-9	45	2	915	35.86	TD=44.96 2/2 TAB RT/Bolts /5 Plug/SEAL
SMBRP-10C	25	2	1105	10.06	CRACKED APRON REPAR 2/2, 3 bolts.
SMBRP-11	20	2	1135	7.84	TD= 20.0 *
SMBRP-12	25	2	1145	7.63	TD= 24.8 *
SMBRP-13	20	2	1200	9.70	*
SMBRP-15b	25	1	1205	8.20	*
SMBRP-16	25	2	1020	3.04	2/2 TABS/Bolts /SEAL

* SEE PAGE 2 for WELL HEAD DEFICIENCIES.

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 5/7/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	~~1035~~ 1040	6.73	3/3 tabs rethread, no seal, 3/3 no bolts
C-2	14.5	2	1045	6.49	3/3 " " , " " " " "
CCPE	52	2	1005	9.66	1/2 tabs broken, no seal, rethread 1/2 tabs, well cap doesn't fit (locked)
CCPNE		2	1010	8.78	Rethread 2/2 tabs, no seal, no bolts
CCPSW		2	1015	8.25	2/2 tabs broken, no seal, " "
CCW-4		1			
GH6-M1	35	2			
GH8-M3	40	2			
GH9-M4	45	2			
Lagoon	n/a	n/a			
LAMW-5S	74	4			TD=
M6-1	45	2			
M6-2	20	2			
M7-1	40	2			
M7-2	25	2			
MBCMW-5	19.4	n/a			
MBCMW-6	64.26	n/a			
MBCMW-7	52.5	2			
MBCMW-8	10	2			
MBCMW-9	9	2			
MBCMW-10	53	2			
MCWP-MW01	148	6			
MCWP-MW02	145	6	1055	12.10	Rethread tabs 2/2, no seal, no bolts 2/2 (smaller bolts)
MCWP-MW03	134	6	1115	7.82	Rethred " " , " " " " " ", well cap 12"
MCWP-MW04D	145	4			TD=
MCWP-MW04S	20	4			TD=
MCWP-MW05	150	4			
MCWP-MW06	137	2	1100	10.28	Missing 1/2 bolts, rethread 2/2 tabs, no seal 7.5" diameter well cap
MCWP-MW07D (No tabs 2/2)	134	2	1120	7.67	TD= ~~129.4~~ 129.4 *2 No bolts 2/2, No seal 2/2, well cap d = 7.5"
MCWP-MW07S	20	2	1125	4.80	TD= 17.0 *2 Missing tabs 2/2, No bolts 2/2, " " = "
MCWP-MW08	77	2	1155	8.40	1/2 tabs missing, rethread 1/2 tabs, 7.5"
MCWP-MW09	89	2	1150	6.25	TD= 90 Missing 1/2 tabs + bolts, broken seal, 7.5"
MCWP-MW10	22	2	1215	8.20	1/2 tabs broken, rethread 1/2 tabs
P-4	12.5	4	950	7.06	Rethread tabs 2/2 (rusted), no seal, no bolts
P-9	14.3	4	955	7.65	" " " " " " " "
SMBRP-2	25	2	935	8.60	Rethread tabs 2/2, Rusted ~~cap~~ well cap, No seal
SMBRP-6	25	2	925	15.05	Rethread tabs 2/2, Missing 1/2 bolts, No seal
SMBRP-7b	25	2			
SMBRP-8 (EG-RC MW01)	60	4			
SMBRP-9	45	2			TD=
SMBRP-10C	25	2			
SMBRP-11	20	2	~~1135~~	7.84	TD= 20.0, Broken seal, missing bolt 2/2, Rusted cap. rethread tabs 2/2
SMBRP-12	25	2	1145	7.63	TD= 24.6, Rethread tabs 2/2, no seal, 12"
SMBRP-13	20	2	~~1200~~	9.70	Rethread 2/2 tabs, no seal 12"
SMBRP-15b	25	1	1205	8.2	TD = 8.2, 2/2 bolts missing + threads, 7.5" @ TD moisture
SMBRP-16	25	2			

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5.7.19
Project/Location Malibu, CA Civic Center Area	Well Number: LAMW-SS
Observation Period Start: 1125 Stop: 1225	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By: —

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	73.5
Well Diameter (in)	4	Depth of Well (ft)	74.18
Initial/Static Depth to Water (ft)	47.09	Length of Water Column (ft)	27.09
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	17.6	Three Casing Volumes (gal)	52.8
Purge Time, Start	1150	Purge Time, Stop	1215
Total Purge Time (minutes)	25	Purge Rate (gpm)	~~0.4~~ 1.0
Purge Volume (gal)	25	Depth to Water (ft) at Sampling	47.15

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	9	18	20	25			At Sampling
Temperature (C)	23.3	23.4	23.4	23.5	23.4			20.0
pH	7.26	7.21	7.21	7.18	7.22			7.61
Conductivity (µS) mS	1.30	1.28	1.26	1.25	1.22			0.99
Dissolved Oxygen (mg/L)								4.21
Dissolved Oxygen (%)								3.36
TDS (ppm) ppt	0.64	0.64	0.63	0.63	0.61			0.50
Turbidity (NTU)	416	376	122	144	156			82

Depth to Water at End of Purge (ft): 73.90 Drawdown (ft): 26.81

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET

Drum Identification labeling: Non-Hazardous Waste

Water Level Indicator: Solinst Model 101

Weather Conditions: OVERCAST

Comments: Sampled Time: 1015 5.8.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

47.09 + 0.2 * 26.81 = 52.45

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5-7-19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-9
Observation Period Start: 1240 Stop: 1300	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By: —

PURGING DATA

Type of Pump	Elect Sub	Pump Inlet Depth (ft)	44
Well Diameter (in)	2	Depth of Well (ft)	44.96
Initial/Static Depth to Water (ft)	35.86	Length of Water Column (ft)	9.10
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.45	Three Casing Volumes (gal)	4.4
Purge Time, Start	1245	Purge Time, Stop	1250
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.9
Purge Volume (gal)	4.5	Depth to Water (ft) at Sampling	35.90

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	3.0	4.5				At Sampling
Temperature (C)	24.2	24.2	24.1	24.1				20.7
pH	7.48	7.49	7.48	7.49				7.02
Conductivity (µS) MS	2.80	2.81	2.79	2.78				3037 (ms)
Dissolved Oxygen (mg/L)								9.06
Dissolved Oxygen (%)								102.2
TDS (ppt) ppt	1.40	1.39	1.39	1.39				2148
Turbidity (NTU)	1040	922	856	826				124.7

Depth to Water at End of Purge (ft): 44.06 Drawdown (ft): 8.2

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST

Comments:

Sampled Time: ~~0940~~ 0945 (5.8.19)

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

35.86 + 0.2 * 8.20 = 37.50

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: ~~5~~ 5/7/19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-11
Observation Period Start: 1335 Stop: 1400	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By: ~~N~~

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	19.5
Well Diameter (in)	2	Depth of Well (ft)	20
Initial/Static Depth to Water (ft)	7.84	Length of Water Column (ft)	12.16
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.95	Three Casing Volumes (gal)	5.84
Purge Time, Start	1345	Purge Time, Stop	1353
Total Purge Time (minutes)	8	Purge Rate (gpm)	0.73
Purge Volume (gal)	6.0	Depth to Water (ft) at Sampling	7.75

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	25.3	~~25.0~~ 2.0	~~23.2~~ 4.0	~~23.1~~ 6.0				20.0
pH	7.24	7.14	7.32	7.30				6-81
Conductivity (~~µS~~) (mS)	3.14	2.42	2.03	1.94				2.04
Dissolved Oxygen (mg/L)								9.33
Dissolved Oxygen (%)								103.3
TDS (ppm) (ppt)	1.56	1.21	1.02	0.97				326 (mg/L)
Turbidity (NTU)	926	714	366	429				156

Depth to Water at End of Purge (ft): 19.5 Drawdown (ft): 11.66

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: PARTLY CLOUDY

Comments: Sampled Time: 1100

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.94 + 0.2 * 11.66 = 10.17

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	5.8.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 1300 Stop: 1335	Survey Reference Point:	TOC
Sampled By:	Peter Doran / Nico Navarro	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	24
Well Diameter (in)	2	Depth of Well (ft)	24.80
Initial/Static Depth to Water (ft)	7.63	Length of Water Column (ft)	17.17
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.7	Three Casing Volumes (gal)	8.24
Purge Time, Start	1305	Purge Time, Stop	1313
Total Purge Time (minutes)	8	Purge Rate (gpm)	1.1
Purge Volume (gal)	9.5	Depth to Water (ft) at Sampling	7.63

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	5.5	8.5				At Sampling
Temperature (C)	22.3	23.1	23.2	23.2				→
pH	6.89	6.87	6.86	6.86				→
Conductivity (µS)	3192	2989	3061	3084				→
Dissolved Oxygen (mg/L)	8.53	8.33	8.28	8.26				→
Dissolved Oxygen (%)	99.1	98.1	97.9	97.7				→
TDS (ppm)	2075	1942	1988	2003				→
Turbidity (NTU)	692	103	30.1	24.5				→

Depth to Water at End of Purge (ft)	7.72	Drawdown (ft)	0.09

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: ~~Unlocked~~ SEE GAUGING SHEET

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST

Comments: Sampled Time: 1530/1330

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.63 + 0.2 * 0.09 = 7.64

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	5.7.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04S
Observation Period	Start: 1325 Stop: 1400	Survey Reference Point:	TOC
Sampled By:	Peter Doran / Nico Navarro	Witnessed By:	—

PURGING DATA

Type of Pump	GROUNDFOS	Pump Inlet Depth (ft)	20'
Well Diameter (in)	4	Depth of Well (ft)	20.39
Initial/Static Depth to Water (ft)	5.66	Length of Water Column (ft)	14.73
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.57	Three Casing Volumes (gal)	28.7
Purge Time, Start	1327	Purge Time, Stop	1347
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.75
Purge Volume (gal)	15	Depth to Water (ft) at Sampling	5.97

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	10.0	15					At Sampling
Temperature (C)	23.4	23.4						20.1
pH	7.67	7.66	WELL DEWATERED					7.66
Conductivity (~~US~~) MS	6.69	6.70						5.78
Dissolved Oxygen (mg/L)	—	—						1.22
Dissolved Oxygen (%)	—	—						10.6
TDS (ppt)	3.34	335						2.89
Turbidity (NTU)	466	326						18.6

Depth to Water at End of Purge (ft)	20.06	Drawdown (ft)	14.40

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	SEE GAUGING SHEET
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	OVERCAST.

Comments: Sampled Time: 1105 5.9.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.66 + 0.2 * 1440 = 8.54

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5/9/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP - MW04D
Observation Period Start: 900 Stop: 1220	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By:

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	9.0
Well Diameter (in)	4	Depth of Well (ft)	145.33
Initial/Static Depth to Water (ft)	9.79	Length of Water Column (ft)	135.54
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	88.1	Three Casing Volumes (gal)	264.3
Purge Time, Start	920	Purge Time, Stop	1200
Total Purge Time (minutes)	160	Purge Rate (gpm)	1.6
Purge Volume (gal)	264.5	Depth to Water (ft) at Sampling	9.79

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

p177

INDICATOR DATA

Volume Pumped (gal)	Before Purge	88.5	~~1767~~	264.5				At Sampling
Temperature (C)	19.7	19.8	19.9	19.9				→
pH	6.91	6.89	6.88	6.89				→
Conductivity (µS)	2235	2061	2078	2296				→
Dissolved Oxygen (mg/L)	2.13	2.27	2.20	1.75				→
Dissolved Oxygen (%)	23.2	24.9	24.1	19.4				→
TDS (ppm)	1452	1489	1497	1493				→
Turbidity (NTU)	0.9	0	0	0				→

Depth to Water at End of Purge (ft): 9.82 Drawdown (ft): 0.03

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST.

Comments: Sampled Time: 1215

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.79 + 0.2 * 0.03 = 9.79

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5/8/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW07S
Observation Period Start: 1130 Stop: 1245	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By: —

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	16.5
Well Diameter (in)	2	Depth of Well (ft)	17.0
Initial/Static Depth to Water (ft)	4.80	Length of Water Column (ft)	~~15.20~~ 12.20
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.95	Three Casing Volumes (gal)	5.86
Purge Time, Start	1201	Purge Time, Stop	1207
Total Purge Time (minutes)	6	Purge Rate (gpm)	1.0
Purge Volume (gal)	6.0	Depth to Water (ft) at Sampling	4.95

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	20.0	20.1	20.2	20.2				—
pH	7.01	7.04	7.08	7.09				—
Conductivity (µS)	2723	2033	1556	1544				—
Dissolved Oxygen (mg/L)	9.34	9.25	9.23	9.22				—
Dissolved Oxygen (%)	103.4	102.9	102.8	102.7				—
TDS (ppm)	1769	1320	1022	1002				—
Turbidity (NTU)	896	642	86.6	67.2				—
			Depth to Water at End of Purge (ft)	13.62		Drawdown (ft)	8.82	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy / Overcast

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

4.80 + 0.2 * 8.82 = 6.56

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	5.8.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWD-MW07D
Observation Period	Start: 1125 Stop: 1230	Survey Reference Point:	TOC
Sampled By:	Peter Doran / Nico Navarro	Witnessed By:	

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	125
Well Diameter (in)	2	Depth of Well (ft)	129.40
Initial/Static Depth to Water (ft)	7.67	Length of Water Column (ft)	121.73
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	~~0.65~~ 0.16
One Casing Volume (gal)	~~19.7~~ 19.47	Three Casing Volumes (gal)	58.4
Purge Time, Start	1130	Purge Time, Stop	1200
Total Purge Time (minutes)	~~H30~~ 30	Purge Rate (gpm)	~~7.67~~ 1.95
Purge Volume (gal)	58.5	Depth to Water (ft) at Sampling	7.67

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	39.0	58.5				At Sampling
Temperature (C)	20.5	20.9	20.8	20.7				→
pH	6.99	7.01	7.00	7.01				—
Conductivity (µS)	2924	3153	3154	3174				—
Dissolved Oxygen (mg/L)	9.14	9.05	9.03	9.04				—
Dissolved Oxygen (%)	102.5	102.1	102.0	102.0				—
TDS (ppm)	1900	2047	2052	2062				—
Turbidity (NTU)	6.8	3.5	3.6	2.0				—

Depth to Water at End of Purge (ft): 7.80 Drawdown (ft): 0.13

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST.

Comments: Sampled Time: 1220

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.67 + 0.2 * 0.13 = 7.69

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 5.8.19
Project/Location Malibu, CA Civic Center Area	Well Number: ~~SMBRP-12~~ MCWP-MW09
Observation Period Start: 1225 Stop: 1320	Survey Reference Point: TOC
Sampled By: Peter Doran / Nico Navarro	Witnessed By:

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	85
Well Diameter (in)	2	Depth of Well (ft)	90.00
Initial/Static Depth to Water (ft)	6.25	Length of Water Column (ft)	83.75
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.4	Three Casing Volumes (gal)	40.2
Purge Time, Start	1230	Purge Time, Stop	1300
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.4
Purge Volume (gal)	40.5	Depth to Water (ft) at Sampling	

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27.0	40.5				At Sampling
Temperature (C)	22.0	21.9	22.0	22.1				→
pH	7.18	7.20	7.16	7.18				→
Conductivity (µS)	3324	3331	3359	3376				→
Dissolved Oxygen (mg/L)	8.61	8.62	8.61	8.60				→
Dissolved Oxygen (%)	99.5	99.6	99.5	99.5				→
TDS (ppm)	2160	2164	2152	2193				→
Turbidity (NTU)	87.8	0.3	2.0	0.5				→
			Depth to Water at End of Purge (ft)	6.63		Drawdown (ft)	0.38	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: SEE GAUGING SHEET.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST.

Comments: Sampled Time: 1315

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.25 + 0.2 * 0.38 = 6.32

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 6/7/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1335	6.40	
C-2	14.5	2	1337	6.30	
CCPE	52	2	1219	7.81	
CCPNE		2	1224	8.2	
CCPSW		2	1230	7.82	
CCW-4		1	1128	4.71	
GH6-M1	35	2	1015	25.5	
GH8-M3	40	2	1018	24.02	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	NA
LAMW-5S	74	4	1058	47.86	
M6-1	45	2	1035	6.18	
M6-2	20	2	1036	4.48	
M7-1	40	2	1025	6.94	
M7-2	25	2	1023	5.92	
MBCMW-5	19.4	n/a	—	—	BURIED
MBCMW-6	64.26	n/a	—	—	"
MBCMW-7	52.5	2	1121	11.62	
MBCMW-8	10	2	1122	7.08	
MBCMW-9	9	2	1134	6.87	
MBCMW-10	53	2	1135	8.98	
MCWP-MW01	148	6	1105	10.67	
MCWP-MW02	145	6	1351	11.79	
MCWP-MW03	134	6	1250	7.7	
MCWP-MW04D	145	4	1108	9.78	
MCWP-MW04S	20	4	1111	5.6	
MCWP-MW05	150	4	1132	7.95	
MCWP-MW06	137	2	1352	10.0	
MCWP-MW07D	134	2	1248	7.62	
MCWP-MW07S	20	2	1246	4.58	
MCWP-MW08	77	2	1315	8.15	
MCWP-MW09	89	2	1307	6.08	
MCWP-MW10	22	2	1322	7.6	
P-4	12.5	4	1206	6.5	
P-9	14.3	4	1208	7.08	
SMBRP-2	25	2	1157	8.1	
SMBRP-6	25	2	1145	15.12	
SMBRP-7b	25	2	1353	10.08	
SMBRP-8 (EG-RC MW01)	60	4	1005	24.6	
SMBRP-9	45	2	1000	35.35	
SMBRP-10C	25	2	1053	4.75	
SMBRP-11	20	2	1256	7.58	
SMBRP-12	25	2	1305	6.96	
SMBRP-13	20	2	1311	8.08	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1117	3.11	

Collected by - Nico Navarro

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 7/22/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1436	4.66	
C-2	14.5	2	1435	4.50	
CCPE	52	2	1303	4.83	
CCPNE		2	1453	5.52	
CCPSW		2	1408	4.45	
CCW-4		1	1218	5.14	
GH6-M1	35	2	1105	25.80	
GH8-M3	40	2	1108	24.74	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	N/A
LAMW-5S	74	4	1140	49.58	
M6-1	45	2	~~1113~~	~~6.90~~	Time: 1117 DEPTH: 5.47
M6-2	20	2	~~1114~~	~~6.45~~	" : 1118 " : 4.61
M7-1	40	2	1113	6.90	
M7-2	25	2	1114	6.45	
MBCMW-5	19.4	n/a	—	—	UNABLE TO LOCATE
MBCMW-6	64.26	n/a	—	—	" " "
MBCMW-7	52.5	2	1200	10.40	
MBCMW-8	10	2	1202	6.80	
MBCMW-9	9	2	1222	6.99	
MBCMW-10	53	2	1223	7.61	
MCWP-MW01	148	6	1150	9.30	
MCWP-MW02	145	6	1502	9.83	
MCWP-MW03	134	6	1511	6.58	
MCWP-MW04D	145	4	1152	8.51	
MCWP-MW04S	20	4	1153	5.47	
MCWP-MW05	150	4	1225	6.65	
MCWP-MW06	137	2	1500	8.80	
MCWP-MW07D	134	2	1510	6.50	
MCWP-MW07S	20	2	1508	4.92	
MCWP-MW08	77	2	1533	6.88	
MCWP-MW09	89	2	1524	4.91	
MCWP-MW10	22	2	1424	4.89	
P-4	12.5	4	1255	5.79	
P-9	14.3	4	1259	4.16	
SMBRP-2	25	2	1247	5.15	
SMBRP-6	25	2	1238	15.25	
SMBRP-7b	25	2	1211	9.73	
SMBRP-8 (EG-RC MW01)	60	4	1057	24.44	
SMBRP-9	45	2	1052	35.05	
SMBRP-10C	25	2	1133	5.54	
SMBRP-11	20	2	1541	7.93	
SMBRP-12	25	2	1523	6.77	
SMBRP-13	20	2	1530	7.68	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1157	3.21	

GATE CODE: 6432

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 8/13/19 Sampled By: Jaime McClain

Jan-Mar Apr-Jun (July-Sep) Oct-Dec
(Circle appropriate)

Estuary (Circle appropriate)
Berm: open / closed

General Weather Conditions

General Wind Conditions
2 kt wind, overcast, 65-75 °F

Daily Tides: **Low** Time: 14:45 Feet: 2.2 Ft. **High** Time: 09:54 Feet: 4.1 Ft.

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
N-001	1130	calm	clear	clear	none	none	none	Y
N-002	1140	calm	clear	clear	none	none	none	Y
N-003	1150	calm	clear	clear	none	none	none	Y
N-004	1015	calm	clear	clear	none	none	none	Y
L-001	1040	N/A	cloudy	brown	none	none	none	Y
L-002	1230	N/A	cloudy	light brown	none	none	none	Y
L-003	1055	N/A	cloudy	light brown	none	none/ garbage	none	Y
L-004	1110	N/A	cloudy	light green	none	none/ algae	none	Y
L-005	1200	calm	~~cloudy~~ clear	~~brown~~ clear	none	none	12/ cormorants seagulls pelicans shorebirds	Y
L-006	1118	N/A	cloudy	light green	none	none/ algae	none	Y

* Lagoon was very high in water level/flooded. generally water quality seemed better than usual.

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 8/12/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1150	4.89	
C-2	14.5	2	1153	4.71	
CCPE	52	2	1212	5.42	Total depth = 52.4
CCPNE		2	1218	6.10	
CCPSW		2	1225	5.88	
CCW-4		1	1213	5.13	
GH6-M1	35	2	1154	26.1	
GH8-M3	40	2	1200	25.02	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	NA
LAMW-5S	74	4	840	50.4	Total depth = 74.28
M6-1	45	2	1205	5.7	
M6-2	20	2	1206	4.65	
M7-1	40	2	1146	7.0	
M7-2	25	2	1147	6.4	
MBCMW-5	19.4	n/a	—	—	BURIED
MBCMW-6	64.26	n/a	—	—	"
MBCMW-7	52.5	2	1136	10.62	
MBCMW-8	10	2	1135	7.0	
MBCMW-9	9	2	1224	6.92	Total depth = 9.27
MBCMW-10	53	2	1221	7.99	
MCWP-MW01	148	6	1115	9.56	
MCWP-MW02	145	6	1238	10.25	
MCWP-MW03	134	6	1250	7.36	
MCWP-MW04D	145	4	1117	8.72	Total depth = 148.0
MCWP-MW04S	20	4	1408	5.68	Total depth = 20.25
MCWP-MW05	150	4	1232	7.08	Total depth = 151.95
MCWP-MW06	137	2	1232	9.30	Total depth = 137.25
MCWP-MW07D	134	2	1253	7.26	Total depth = 129.5
MCWP-MW07S	20	2	1254	5.25	Total depth = 17.02
MCWP-MW08	77	2	1305	7.35	
MCWP-MW09	89	2	1255	5.50	Total depth = 89.75
MCWP-MW10	22	2	1138	5.34	Total depth = 22.1
P-4	12.5	4	1205	4.28	
P-9	14.3	4	1208	4.67	
SMBRP-2	25	2	1330	5.65	
SMBRP-6	25	2	1320	15.85	
SMBRP-7b	25	2	1238	9.7	Total depth = 24.88
SMBRP-8 (EG-RC MW01)	60	4	830	24.77	
SMBRP-9	45	2	735	35.1	Total depth = 44.98
SMBRP-10C	25	2	830	5.86	
SMBRP-11	20	2	1310	8.2	Total depth = 24.58
SMBRP-12	25	2	1253	7.15	Total depth = 24.58
SMBRP-13	20	2	1145	8.28	Total depth = 19.4
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1130	3.37	

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/12/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	LAMW-55
Observation Period	Start: 0840 Stop: 1000	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	70
Well Diameter (in)	4	Depth of Well (ft)	74.28
Initial/Static Depth to Water (ft)	50.4	Length of Water Column (ft)	23.88
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	15.5	Three Casing Volumes (gal)	46.5
Purge Time, Start	1004	Purge Time, Stop	1045
Total Purge Time (minutes)	41	Purge Rate (gpm)	0.6
Purge Volume (gal)	25	Depth to Water (ft) at Sampling	50.33

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	15.5	~~31~~ 25	46.5				At Sampling
Temperature (C)	22.0	22.3	22.3	* Spike in turbidity				22.0
pH	6.7	6.67	6.77	Stopped purge to prevent				6.66
Conductivity (µS)	1087	1070	1153	pump clogging				1051
Dissolved Oxygen (mg/L)	1.86	2.62	3.59					3.09
Dissolved Oxygen (%)	22.5	30.4	41.4	Slow recharge				30.5
TDS ~~(ppm)~~ (ppt)	0.44	0.43	0.43					0.40
Turbidity (NTU)	976	763	13365					953

Depth to Water at End of Purge (ft): 66.45 Drawdown (ft): 16.05

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 8/13/19 1330

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

50.4 + 0.2 * 16.05 = 66.45

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/12/19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-11
Observation Period Start: 1215 Stop: 1325	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ Nico Navarro	Witnessed By: Michelle Carter

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	17
Well Diameter (in)	2	Depth of Well (ft)	20.0
Initial/Static Depth to Water (ft)	8.24	Length of Water Column (ft)	11.8
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.89	Three Casing Volumes (gal)	5.66
Purge Time, Start	1455	Purge Time, Stop	1510
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.4
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	8.24

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	24.5	22.6	22.2	22.2				23.8
pH	6.69	6.95	7.02	7.07	Slow			7.10
Conductivity (µS)	2561	2450	2518	2202	Recharge			2261
Dissolved Oxygen (mg/L)	2.77	3.35	4.07	5.76				5.57
Dissolved Oxygen (%)	33.6	39.4	47.7	66.1				65.3
TDS ~~(ppm)~~ (ppt)	0.87	0.83	0.85	0.79				0.80
Turbidity (NTU)	4.2	383	588	1565				7.18

Depth to Water at End of Purge (ft): 17.64 Drawdown (ft): 9.44

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 8/13/19 1300

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.24 + 0.2 * 9.44 = 10.13

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/12/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04S
Observation Period	Start: 1408 Stop: 1445	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico NAVARRO	Witnessed By:	MICHELLE CARTER

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	17
Well Diameter (in)	4	Depth of Well (ft)	20.25
Initial/Static Depth to Water (ft)	5.68	Length of Water Column (ft)	14.57
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.47	Three Casing Volumes (gal)	28.41
Purge Time, Start	1424	Purge Time, Stop	1434
Total Purge Time (minutes)	10	Purge Rate (gpm)	1.2
Purge Volume (gal)	12	Depth to Water (ft) at Sampling	6.3

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	9.5	19	28.5				At Sampling
Temperature (C)	28.7	27.0	Dewatered					24.2
pH	7.24	7.13	@ 12 gallons					7.3
Conductivity (µS)	9645	7895						8825
Dissolved Oxygen (mg/L)	2.94	2.47						3.14
Dissolved Oxygen (%)	37.8	31.2						38.8
TDS (ppm)	2.96	2.47						2.82
Turbidity (NTU)	7.8	6.6						16.8

Depth to Water at End of Purge (ft)	17.64	Drawdown (ft)	11.96

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Sunny & Clear

Comments: Sampled Time: 8/13/19 1145

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.68 + 0.2 * 11.96 = 8.07

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/13/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW04D
Observation Period Start: 0815 Stop:	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ NICO NAVARRO	Witnessed By: MICHELLE CARTER

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	140
Well Diameter (in)	4	Depth of Well (ft)	148.15
Initial/Static Depth to Water (ft)	8.77	Length of Water Column (ft)	139.38
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	90.6	Three Casing Volumes (gal)	271.8
Purge Time, Start	0830	Purge Time, Stop	1050
Total Purge Time (minutes)	140	Purge Rate (gpm)	1.94
Purge Volume (gal)	272	Depth to Water (ft) at Sampling	8.77

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	91	181.5	272				At Sampling
Temperature (C)	22.1	20.8	20.7	20.8				←
pH	6.99	6.97	6.98	7.06				←
Conductivity (µS)	2302	2291	2216	2455				←
Dissolved Oxygen (mg/L)	2.59	1.81	2.09	2.27				←
Dissolved Oxygen (%)	29.7	20.3	23.4	24.2				←
TDS (ppm)	0.80	0.84	0.85	0.86				←
Turbidity (NTU)	0	0	0	0				←

Depth to Water at End of Purge (ft): 8.77 Drawdown (ft): Ø

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1115

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.77 + 0.2 * 0 = 8.77

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/13/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP - 9
Observation Period	Start: 0730 Stop: 0813	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	40
Well Diameter (in)	2	Depth of Well (ft)	44.98
Initial/Static Depth to Water (ft)	35.1	Length of Water Column (ft)	9.88
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.58	Three Casing Volumes (gal)	4.74
Purge Time, Start	0745	Purge Time, Stop	0813
Total Purge Time (minutes)	28	Purge Rate (gpm)	0.18
Purge Volume (gal)	5	Depth to Water (ft) at Sampling	35.1

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	3.5	5.0				At Sampling
Temperature (C)	21.5	21.8	22.0	21.8				21.7
pH	6.96	7.05	7.05	7.2				7.01
Conductivity (µS)	2880	2920	2973	2947				3007
Dissolved Oxygen (mg/L)	2.3	2.56	2.14	3.12				3.03
Dissolved Oxygen (%)	26.2	29.4	24.7	38.5				36.2
TDS (ppm)	1.07	1.07	1.07	1.06				1.02
Turbidity (NTU)	370.8	740.7	1977.0	2440				6.86

Depth to Water at End of Purge (ft)	35.5	Drawdown (ft)	0.4

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 0830

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

35.1 + 0.2 * 0.4 = 35.14

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/14/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW06
Observation Period Start: 0753 Stop: 0930	Survey Reference Point: TOC
Sampled By: Nico Navarro	Witnessed By: Michelle Carter

PURGING DATA

Type of Pump	ELECTRIC SUB.	Pump Inlet Depth (ft)	128
Well Diameter (in)	2	Depth of Well (ft)	137.5
Initial/Static Depth to Water (ft)	9.42	Length of Water Column (ft)	128.08
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.49	Three Casing Volumes (gal)	61.47
Purge Time, Start	0830	Purge Time, Stop	0858
Total Purge Time (minutes)	28	Purge Rate (gpm)	2.2
Purge Volume (gal)	61.5	Depth to Water (ft) at Sampling	9.42

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	20.5	41.0	61.5				At Sampling
Temperature (C)	19.8	19.8	19.9	20.1			←	
pH	7.28	7.29	7.31	7.29			←	
Conductivity (µS)	1974	2416	2276	2270			←	
Dissolved Oxygen (mg/L)	1.71	2.43	2.00	1.80			←	
Dissolved Oxygen (%)	19.0	27.5	25.0	22.1			←	
TDS ~~(ppm)~~ (ppt)	0.78	0.92	0.86	0.86			←	
Turbidity (NTU)	2.89	9.23	4.30	4.28			←	

Depth to Water at End of Purge (ft): 9.42 | Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Partly Cloudy

Comments: Sampled Time: 900

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.42 + 0.2 * 0 = 9.42

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/14/19 MCWP-
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-~~MW07D~~S MW07S
Observation Period	Start: 800 Stop: 1100	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ NICO NAVARRO	Witnessed By:	MICHELLE CARTER

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	14
Well Diameter (in)	2	Depth of Well (ft)	17.02
Initial/Static Depth to Water (ft)	5.25	Length of Water Column (ft)	11.77
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.88	Three Casing Volumes (gal)	5.65
Purge Time, Start	830	Purge Time, Stop	842
Total Purge Time (minutes)	12	Purge Rate (gpm)	0.5
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	7.0

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	20.3	20.7	20.1	22.7				←
pH	7.19	7.24	7.3	7.4				←
Conductivity (µS)	2006	1951	1911	2199				←
Dissolved Oxygen (mg/L)	1.54	1.64	5.03	4.94				←
Dissolved Oxygen (%)	17.1	18.2	55.7	57.2				←
TDS (ppm)	0.77	0.73	0.72	0.75				←
Turbidity (NTU)	14.6	11.1	24.4	103				←

Depth to Water at End of Purge (ft): 15 Drawdown (ft): 9.38

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 0845

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.25 + 0.2 * 9.38 = 7.12

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/14/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW07D
Observation Period Start: 800 Stop: 915	Survey Reference Point: TOC
Sampled By: Nico Navarro	Witnessed By: Michelle Carter

PURGING DATA

Type of Pump	ELECTRIC SUB	Pump Inlet Depth (ft)	60
Well Diameter (in)	2	Depth of Well (ft)	129.5
Initial/Static Depth to Water (ft)	7.25	Length of Water Column (ft)	122.25
Product Thickness (ft)	~~19.56~~	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.56	Three Casing Volumes (gal)	58.6
Purge Time, Start	810	Purge Time, Stop	840
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.95
Purge Volume (gal)	58.6	Depth to Water (ft) at Sampling	6.93

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.6	39	58.6				At Sampling
Temperature (C)	21.0	21.1	21.2	21.2			←	
pH	7.28	7.06	7.09	7.16			←	
Conductivity (µS)	2609	3199	3328	3150			←	
Dissolved Oxygen (mg/L)	1.18	1.24	1.23	1.11			←	
Dissolved Oxygen (%)	13.4	14.0	14.0	12.6			←	
TDS ~~(ppm)~~ (ppt)	0.88	1.08	1.10	1.13			←	
Turbidity (NTU)	~~1465~~	~~10400~~ 11.6	6.10	2.54			←	
Depth to Water at End of Purge (ft)				6.7		Drawdown (ft)	~~0.55~~ -0.55 ↳ 0	

Negative Drawdown

Comments: Errant Turbidity measurement on YSI, used ~~Hanna meter~~ LaMotte

MISCELLANEOUS DATA

Condition of Traffic Box: ~~Erro~~

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLOUDY

Comments: Sampled Time: 0830, 845

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.25 + 0.2 * 0 = 7.25

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8.14.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW09
Observation Period	Start: 1100 Stop: 1300	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ NN	Witnessed By:	

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	45
Well Diameter (in)	2	Depth of Well (ft)	89.75
Initial/Static Depth to Water (ft)	5.50	Length of Water Column (ft)	84.25
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.48	Three Casing Volumes (gal)	40.44
Purge Time, Start	1130	Purge Time, Stop	1200
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.35
Purge Volume (gal)	40.5	Depth to Water (ft) at Sampling	5.6

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27	40.5				At Sampling
Temperature (C)	22.8	22.1	21.8	21.7			←	
pH	7.60	7.34	7.31	7.31			←	
Conductivity (µS)	3563	3643	3637	3655			←	
Dissolved Oxygen (mg/L)	1.95	1.23	1.07	1.12			←	
Dissolved Oxygen (%)	23.5	14.3	12.3	12.9			←	
~~TDS (ppm)~~ (ppt)	1.20	1.22	1.22	1.22			←	
Turbidity (NTU)	62	17.9	9.29	7.66			←	

Depth to Water at End of Purge (ft): 5.6 | Drawdown (ft): 0.10

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.50 + 0.2 * 0.1 = 5.52

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/14/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 1120 Stop: 1300	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Electric Sub.	Pump Inlet Depth (ft)	20
Well Diameter (in)	2	Depth of Well (ft)	24.7
Initial/Static Depth to Water (ft)	7.1	Length of Water Column (ft)	17.6
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.8	Three Casing Volumes (gal)	8.4
Purge Time, Start	1140	Purge Time, Stop	1145
Total Purge Time (minutes)	5	Purge Rate (gpm)	1.7
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.1

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	5.5	8.5				At Sampling
Temperature (C)	24.3	23.6	23.7	23.3			←	
pH	7.05	7.06	7.04	7.06			←	
Conductivity (µS)	3235	2946	3150	3230			←	
Dissolved Oxygen (mg/L)	1.12	1.08	0.94	1.21			←	
Dissolved Oxygen (%)	13.7	13.0	11.2	14.3			←	
TDS (ppm)	1.10	1.01	1.09	1.09			←	
Turbidity (NTU)	756 (AU)	14.1	10.3	6.02			←	

Depth to Water at End of Purge (ft): 7.1 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: clear

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.1 + 0.2 * 0 = 7.1

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/15/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MBCMW-9
Observation Period	Start: 0730 Stop: ~~0800~~ 0845	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	7
Well Diameter (in)	2	Depth of Well (ft)	9.27
Initial/Static Depth to Water (ft)	6.92	Length of Water Column (ft)	2.35
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.38	Three Casing Volumes (gal)	1.13
Purge Time, Start	0745	Purge Time, Stop	0750
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.1
Purge Volume (gal)	0.5	Depth to Water (ft) at Sampling	6.9

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	0.5	1.0	1.5				At Sampling
Temperature (C)	22.6	Dewatered @ 0.5 gallons						22.0
pH	6.49	*/Insufficient water for parameter						6.4
Conductivity (µS)	8300							8325
Dissolved Oxygen (mg/L)	3.0							2.8
Dissolved Oxygen (%)	35.1							35.0
TDS (ppm)	2.82							2.79
Turbidity (NTU)	11.0							11.7

Depth to Water at End of Purge (ft): 9.0 Drawdown (ft): 2.08

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 830

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.92 + 0.2 * 2.08 = 7.48

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date: ~~MCWP-MW05~~	8.15.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW05
Observation Period	Start: 800 Stop: 1100	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	145
Well Diameter (in)	4	Depth of Well (ft)	151.95
Initial/Static Depth to Water (ft)	7.08	Length of Water Column (ft)	144.87
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	94.17	Three Casing Volumes (gal)	282.50
Purge Time, Start	815	Purge Time, Stop	1015
Total Purge Time (minutes)	120	Purge Rate (gpm)	2.36
Purge Volume (gal)	283	Depth to Water (ft) at Sampling	7.04

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	95	188.5	282.0				At Sampling
Temperature (C)	23.1	22.5	19.9	20.8				
pH	7.19	7.14	7.12	7.05				
Conductivity (µS)	2209	2213	2213	2213				
Dissolved Oxygen (mg/L)	3.19	2.44	2.00	1.15				
Dissolved Oxygen (%)	37.4	28.3	22.1	13.2				
TDS ~~(ppm)~~ (ppt)	0.77	0.76	0.76	0.76				
Turbidity (NTU)	2.81	2.46	2.72	1.59				

Depth to Water at End of Purge (ft)	7.04	Drawdown (ft)	—

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.08 + 0.2 * Ø = 7.08

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8.15.19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-7B
Observation Period Start: 915 Stop: 1100	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ ~~Peter~~ Jack Weil	Witnessed By: Nico Navarro

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	22
Well Diameter (in)	2	Depth of Well (ft)	~~25~~ 24.88
Initial/Static Depth to Water (ft)	9.7	Length of Water Column (ft)	15.18
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.43	Three Casing Volumes (gal)	7.29
Purge Time, Start	930	Purge Time, Stop	945
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.5
Purge Volume (gal)	7.5	Depth to Water (ft) at Sampling	8.40

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	5.0	7.5				At Sampling
Temperature (C)	23.2	22.9	23.2	22.9			←	
pH	6.96	6.94	6.93	6.95			←	
Conductivity (µS)	1299	1842	2945	3685			←	
Dissolved Oxygen (mg/L)	2.16	2.08	2.26	1.96			←	
Dissolved Oxygen (%)	25.5	24.4	26.8	23.1			←	
TDS ~~(ppm)~~ (ppt)	0.46	0.64	0.98	1.22			←	
Turbidity (NTU)	2.2	20.8	46.8	71.7			←	

Depth to Water at End of Purge (ft): 8.40 Drawdown (ft): -1.3 . Ø drawdown

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.7 + 0.2 * Ø = ~~9.96~~ 9.7

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date: ~~MCWP-MW10~~ 8.15.19	
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW10
Observation Period	Start: 1050 Stop: 1200	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ NICO NAVARRO	Witnessed By:	PETER ~~Will~~ WEIL

PURGING DATA

Type of Pump	6 HAND BAIL	Pump Inlet Depth (ft)	18
Well Diameter (in)	2	Depth of Well (ft)	22.1
Initial/Static Depth to Water (ft)	5.34	Length of Water Column (ft)	16.86
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.7	Three Casing Volumes (gal)	8.1
Purge Time, Start	1100	Purge Time, Stop	1115
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.57
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	5.4

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	6.0	8.5				At Sampling
Temperature (C)	24.3	22.1	21.9	21.9			←	
pH	7.22	6.95	6.87	6.87			←	
Conductivity (µS)	1708	3172	3244	3202			←	
Dissolved Oxygen (mg/L)	1.28	2.43	1.44	1.25			←	
Dissolved Oxygen (%)	15.9	28.1	16.6	14.2			←	
TDS ~~(ppm)~~ (ppt)	0.60	1.05	1.09	1.08			←	
Turbidity (NTU)	2.67	37.1	16.7	8.45			←	

Depth to Water at End of Purge (ft)	5.4	Drawdown (ft)	0.06

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled Time: 1130

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.34 + 0.2 * 0.06 = 5.35

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/15/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-13
Observation Period	Start: 1115 Stop: 1245	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Electric Sub.	Pump Inlet Depth (ft)	16
Well Diameter (in)	2	Depth of Well (ft)	19.4
Initial/Static Depth to Water (ft)	8.28	Length of Water Column (ft)	11.12
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.77	Three Casing Volumes (gal)	5.33
Purge Time, Start	11:45	Purge Time, Stop	11:50
Total Purge Time (minutes)	5	Purge Rate (gpm)	1.2
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	8.28

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2	4	6				At Sampling
Temperature (C)	24.2	22.6	22.5	22.2			←	
pH	6.88	6.85	6.83	6.83			←	
Conductivity (µS)	6629	6829	7220	6860			←	
Dissolved Oxygen (mg/L)	2.16	1.7	1.71	1.37			←	
Dissolved Oxygen (%)	28.3	20.0	18.7	17.3			←	
TDS (ppm)	2.18	2.3	2.32	2.34			←	
Turbidity (NTU)	24.8	10.28	5.34	2.22			←	

Depth to Water at End of Purge (ft)	8.2	Drawdown (ft)	0.0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled Time: 1215 8/15/19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.28 + 0.2 * 0 = 8.28

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8.15.19
Project/Location Malibu, CA Civic Center Area	Well Number: CCPE
Observation Period Start: 1145 Stop: 1315	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ Nico Navarro	Witnessed By: ~~Peter Doran~~ Jack Weil

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	45
Well Diameter (in)	2	Depth of Well (ft)	52.4
Initial/Static Depth to Water (ft)	5.42	Length of Water Column (ft)	46.98
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.52	Three Casing Volumes (gal)	22.55
Purge Time, Start	1215	Purge Time, Stop	1230
Total Purge Time (minutes)	30	Purge Rate (gpm)	0.77
Purge Volume (gal)	23	Depth to Water (ft) at Sampling	5.4

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	8.0	15.5	23.0				At Sampling
Temperature (C)	25.1	23.9	22.7	21.7			←	—
pH	6.84	6.91	6.83	6.87			←	—
Conductivity (µS)	14840	9432	9430	9166			←	—
Dissolved Oxygen (mg/L)	1.85	2.00	1.59	2.06			←	—
Dissolved Oxygen (%)	25.1	24.1	18.8	24.9			←	—
TDS ~~(ppm)~~ ppt	4.59	3.05	3.13	3.11			←	—
Turbidity (NTU)	26.6	12.5	7.21	4.32			←	—

Depth to Water at End of Purge (ft): 5.4 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1245

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.42 + 0.2 * 0 = 5.42

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 11/6/19 Sampled By: James Grunden

Jan-Mar Apr-Jun July-Sep Oct-Dec (Circle appropriate)

Estuary (Circle appropriate)
Berm: open / closed

General Weather Conditions
Partally cloudy foggy w/ some sun.

General Wind Conditions
Light variable winds < 5kts

Daily Tides: **Low** Time: 12:10 pm Feet: 2.1 **High** Time: 0609 Feet: 4.5

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
L-001	0955	N/A	~~Cloudy~~ Brown	~~Brown~~	none	none	1 hawk	Y
L-002	~~1013~~ 1035	N/A	~~Cloudy~~ Cloudy	~~Brown~~ Brown	~~slight rotten eggs~~ none	~~garbage~~ none	~~85 Am. Coots~~ 23 Am. Coots	Y
L-003	1013	N/A	Cloudy	Brown	slight rotten eggs	garbage	85 Am. Coots	Y
L-004	1057	N/A	Cloudy	Brown	none	none	2 Mallards 1 W. Gull 600 Am. Coots	Y
N-001	1222	~~N/A~~ CALM	Clear	Clear	none	none	5 Godwits	Y
N-002	1235	~~N/A~~ CALM	Clear	Clear	none	none	2 godwits 1 curlew	Y
N-003	1147	~~N/A~~ CALM	Clear	Clear	none	none	40 Sanderlings 205 W. Gulls 1 Godwit	Y
N-004	1315	~~N/A~~ Calm	Clear	Clear	none	none	1 W. Gull 1 Cormorant	Y
L-005	1135	Calm	Cloudy	Brown	none	Some garbage	700 Coots 2 Killdeer 19 Cormorants 10 Mallards 57 W. Gulls	Y
L-006	1110	N/A	Cloudy	Brown	none	none	75 Am. Coots 12 Mallards 1 Snowy Egret	Y

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 11/4/19	Depth to Water (feet)	Well Head Deficiencies Comments
C-1	14.5	n/a	1507	5.35	
C-2	14.5	2	1458	5.25	
CCPE	52	2	1434	5.81	
CCPNE		2	1437	6.50	
CCPSW		2	1443	6.35	
CCW-4		1	1534	5.94	
GH6-M1	35	2	1413	27.07	
GH8-M3	40	2	1417	26.33	
GH9-M4	45	2	—	—	Buried
Lagoon	n/a	n/a	—	—	
LAMW-5S	74	4	1005	52.48	Tot. depth = 76.1
M6-1	45	2	1424	6.3	
M6-2	20	2	1425	5.35	
M7-1	40	2	1407	7.62	
M7-2	25	2	1405	7.15	
MBCMW-5	19.4	n/a	—	—	
MBCMW-6	64.26	n/a	—	—	
MBCMW-7	52.5	2	1439	10.96	
MBCMW-8	10	2	1438	8.46	
MBCMW-9	9	2	1451	7.86	
MBCMW-10	53	2	1450	8.33	
MCWP-MW01	148	6	1206	10.2	
MCWP-MW02	145	6	1522	10.23	
MCWP-MW03	134	6	1129	7.76	
MCWP-MW04D	145	4	0940	9.81	TD = 137.09
MCWP-MW04S	20	4	1130	6.96	TD = 20.2
MCWP-MW05	150	4	1446	7.4	
MCWP-MW06	137	2	1520	9.57	
MCWP-MW07D	134	2	1130	7.61	TD = 129.33
MCWP-MW07S	20	2	1133	5.98	TD = 16.93
MCWP-MW08	77	2	1528	7.55	
MCWP-MW09	89	2	1100	5.8	TD = 89.2
MCWP-MW10	22	2	1450	5.78	
P-4	12.5	4	1425	4.73	
P-9	14.3	4	1428	5.12	
SMBRP-2	25	2	1415	6.14	
SMBRP-6	25	2	1404	16.33	
SMBRP-7b	25	2	1052	10.33	
SMBRP-8 (EG-RC MW01)	60	4	1000	26.8	
SMBRP-9	45	2	1539	36.15	TD = 45 ~~25~~
SMBRP-10C	25	2	1005	6.74	
SMBRP-11	20	2	1130	8.7	TD = 19.95
SMBRP-12	25	2	1514	7.47	TD = 24.75
SMBRP-13	20	2	1515	8.37	
SMBRP-15b	25	1	Dry	—	—
SMBRP-16	25	2	1444	4.5	

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/4/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	LAMW-5S
Observation Period	Start: 1025 Stop: 1115	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	71.0
Well Diameter (in)	4	Depth of Well (ft)	76.1
Initial/Static Depth to Water (ft)	52.48	Length of Water Column (ft)	23.62
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	15.35	Three Casing Volumes (gal)	46.0
Purge Time, Start	1038	Purge Time, Stop	1058
Total Purge Time (minutes)	20	Purge Rate (gpm)	1.0
Purge Volume (gal)	20 (dewatered @ 20 gal.)	Depth to Water (ft) at Sampling	52.5

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	15.5	~20					At Sampling
Temperature (C)	24.1	24.6	25.1					23.0
pH	6.68	6.89	6.8					7.16
Conductivity (µS)	989	1000	1003					953
Dissolved Oxygen (mg/L)	3.04	4.95	2.66					4.77
Dissolved Oxygen (%)	36.3	59.9	32.3					55.7
TDS (ppm)	0.43	0.41	0.41					0.39
Turbidity (NTU)	3.91	17.38	13.96					41.5

Depth to Water at End of Purge (ft): 66.8 Drawdown (ft): 14.4

Comments: Slow recharge well, sampled day after purge

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 1015 / 11.5.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

52.48 + 0.2 * 14.4 = 55.36

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/4/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW045
Observation Period	Start: 1130 Stop: 1200	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	17
Well Diameter (in)	4	Depth of Well (ft)	20.2
Initial/Static Depth to Water (ft)	6.96	Length of Water Column (ft)	13.24
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	8.6	Three Casing Volumes (gal)	25.8
Purge Time, Start	1139	Purge Time, Stop	1154
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.67
Purge Volume (gal)	10	Depth to Water (ft) at Sampling	7.47

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	9.0	17.5	26.0				At Sampling
Temperature (C)	24.6	23.7						23.7
pH	7.34	7.33	Dewatered @					7.29
Conductivity (µS)	7940	6553	~10	gallons				6277
Dissolved Oxygen (mg/L)	2.56	3.23						7.04
Dissolved Oxygen (%)	31.0	38.9					water clear	84.9
TDS (ppm)	2.78	2.31					↖	>2000
Turbidity (NTU)	3.65	3.18						1.77

Depth to Water at End of Purge (ft): 16.7 | Drawdown (ft): 9.74

Comments: High TDS rating despite similar conductivity for "At sampling" reading; possible errant reading

MISCELLANEOUS DATA

Condition of Traffic Box: Missing one bolt

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 1100 / 11.5.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.96 + 0.2 * 9.74 = 8.91

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/4/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-11
Observation Period	Start: 1130 Stop: 1200	Survey Reference Point:	TOC
Sampled By:	Michelle Carter	Witnessed By:	Nico Navarro

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	19.95
Initial/Static Depth to Water (ft)	8.7	Length of Water Column (ft)	11.25
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.8	Three Casing Volumes (gal)	5.4
Purge Time, Start	1130	Purge Time, Stop	1140
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.55
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	8.72

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	5.5				At Sampling
Temperature (C)	23.8	22.7	22.6	22.9				24.0
pH	6.89	6.96	7.13	7.24				7.03
Conductivity (µS)	2271	2300	2206	2144				~~2304~~ ~~4.46~~
Dissolved Oxygen (mg/L)	3.49	4.29	5.5	5.99				4.46
Dissolved Oxygen (%)	41.6	49.9	64.1	70.2				53.4
TDS (ppm)	TDS meter giving errant readings							~~1111~~ 929
Turbidity (NTU)	7.14	16.53	16	5				3.37

Depth to Water at End of Purge (ft)	17.96	Drawdown (ft)	9.26

Comments: Slow recharge

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: 1145/ 11.5.19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.7 + 0.2 * 9.26 = 10.55

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/5/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-9
Observation Period	Start: 0850 Stop: 0950	Survey Reference Point:	TOC
Sampled By:	Michelle Carter	Witnessed By:	Nico Navarro

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	45.0
Initial/Static Depth to Water (ft)	36.15	Length of Water Column (ft)	8.85
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.42	Three Casing Volumes (gal)	4.25
Purge Time, Start	0850	Purge Time, Stop	930
Total Purge Time (minutes)	40	Purge Rate (gpm)	0.11
Purge Volume (gal)	4.5	Depth to Water (ft) at Sampling	36.4

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	3.0	4.5				At Sampling
Temperature (C)	21.3	21.9	22.2	22.1				
pH	7.25	7.30	7.35	7.34				
Conductivity (µS)	877	1878	1897	1912				
Dissolved Oxygen (mg/L)	3.54	4.32	4.59	4.43				
Dissolved Oxygen (%)	39.8	49.5	53.0	51.0				
TDS (ppm)	795	804	822	826				
Turbidity (NTU)	1.93	43.9	85.6	72				

Depth to Water at End of Purge (ft): 37.42 | Drawdown (ft): 1.27

Comments: Well recharged w/in 5 mins. of end of purge

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 0945

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

36.15 + 0.2 * 1.27 = 36.4

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/6/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW07D
Observation Period	Start: 0845 Stop: 1015	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	125
Well Diameter (in)	2	Depth of Well (ft)	129.33
Initial/Static Depth to Water (ft)	7.61	Length of Water Column (ft)	121.72
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.48	Three Casing Volumes (gal)	58.42
Purge Time, Start	0915	Purge Time, Stop	0945
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.95
Purge Volume (gal)	58.5	Depth to Water (ft) at Sampling	7.61

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	39	58.5				At Sampling
Temperature (C)	19.6	20.7	21.3	21.2				
pH	7.07	7.18	7.18	7.17				
Conductivity (µS)	2519	3349	3434	3429				
Dissolved Oxygen (mg/L)	3.47	2.19	2.31	2.54				
Dissolved Oxygen (%)	37.5	24.7	26.6	27.4				
TDS (ppm)	1.07	1.19	1.21	1.19				
Turbidity (NTU)	149	46	25	10				

Depth to Water at End of Purge (ft): 7.66 Drawdown (ft): 0.05

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 1000

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.61 + 0.2 * 0.05 = 7.61

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 11/6/19	
Project/Location Malibu, CA Civic Center Area		Well Number: MCWP-MW075	
Observation Period Start: 0930 Stop: 1045		Survey Reference Point: TOC	
Sampled By: Nico Navarro		Witnessed By: Michelle Carter	

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	16.93
Initial/Static Depth to Water (ft)	5.98	Length of Water Column (ft)	10.95
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.75	Three Casing Volumes (gal)	5.2
Purge Time, Start	0945	Purge Time, Stop	1000
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.37
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	6.0

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	5.5				At Sampling
Temperature (C)	21.3	20.6	20.4	20.6				
pH	7.49	7.45	7.51	7.57				
Conductivity (µS)	1927	1838	1948	1728				
Dissolved Oxygen (mg/L)	3.87	4.0	4.75	6.89				
Dissolved Oxygen (%)	43.7	44.7	53.2	77.3				
TDS (ppm)	0.71	0.73	0.72	0.70				
Turbidity (NTU)	0	19.8	503	116				

Depth to Water at End of Purge (ft): 15.16 Drawdown (ft): 9.18

Comments: NTU reading negative & giving erratic measurements; fast recharge well

MISCELLANEOUS DATA

Condition of Traffic Box: Missing one bolt

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.98 + 0.2 * 9.18 = 7.81

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 11/6/19	
Project/Location Malibu, CA Civic Center Area		Well Number: MCWP-MW09	
Observation Period Start: 1100 Stop: 1300		Survey Reference Point: TOC	
Sampled By: Nico Navarro		Witnessed By: Michelle Carter	

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	85
Well Diameter (in)	2	Depth of Well (ft)	89.2
Initial/Static Depth to Water (ft)	5.8	Length of Water Column (ft)	83.4
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.34	Three Casing Volumes (gal)	40.0
Purge Time, Start	1150	Purge Time, Stop	1225
Total Purge Time (minutes)	35	Purge Rate (gpm)	1.14
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	5.8

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27	40				At Sampling
Temperature (C)	23.7	23.8	23.1	22.6				23.0
pH	7.48	7.44	7.40	7.36				7.39
Conductivity (µS)	3279	3227	3245	3368				3397
Dissolved Oxygen (mg/L)	1.53	1.83	2.15	1.95				2.57
Dissolved Oxygen (%)	18.5	22.0	25.4	22.7				30.2
TDS (ppm)	1.20	1.18	1.21	1.30				1.28
Turbidity (NTU)	595	490	72	15				19

Depth to Water at End of Purge (ft)	5.92	Drawdown (ft)	0.12

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: _____

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.8 + 0.2 * 0.12 = 5.82

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/6/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 1105 Stop: 1215	Survey Reference Point:	TOC
Sampled By:	Michelle	Witnessed By:	Nico

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	24.75
Initial/Static Depth to Water (ft)	7.47	Length of Water Column (ft)	17.28
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.76	Three Casing Volumes (gal)	8.3
Purge Time, Start	1110	Purge Time, Stop	1135
Total Purge Time (minutes)	25	Purge Rate (gpm)	0.34
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.47

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	5.5	8.5				At Sampling
Temperature (C)	24.1	24.2	24.1	24.0				
pH	7.23	7.3	7.3	7.3				
Conductivity (µS)	1390	2786	2867	2933				
Dissolved Oxygen (mg/L)	4.92	3.94	4.95	4.54				
Dissolved Oxygen (%)	59.3	47.0	59.9	54.3				
TDS (ppm)	0.58	1.02	1.06	1.06				
Turbidity (NTU)	26.6	16.4	17.7	10.7				

Depth to Water at End of Purge (ft): 7.47 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 1200

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.47 + 0.2 * 0 = 7.47

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11/7/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW04D
Observation Period	Start: 0940 Stop: 1315	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	142
Well Diameter (in)	4	Depth of Well (ft)	146.9
Initial/Static Depth to Water (ft)	9.81	Length of Water Column (ft)	137.09
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	89.1	Three Casing Volumes (gal)	267.3
Purge Time, Start	1030	Purge Time, Stop	1240
Total Purge Time (minutes)	130	Purge Rate (gpm)	2.06
Purge Volume (gal)	267.5	Depth to Water (ft) at Sampling	9.81

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	89.5	178.5	267.5				At Sampling
Temperature (C)	20.2	21.6	21.7	21.7				
pH	7.18	7.18	7.18	7.18				
Conductivity (µS)	2003	2177	2217	2187				
Dissolved Oxygen (mg/L)	3.17	2.47	2.33	2.37				
Dissolved Oxygen (%)	35.1	28.3	27.3	27.3				
TDS (ppm)	995	998	1015	1030				
Turbidity (NTU)	18.24	3.58	0.19	0				

Depth to Water at End of Purge (ft)	9.83	Drawdown (ft)	0.02

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: 1245

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.81 + 0.2 * 0.02 = 9.81

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 12/19/19	Depth to Water	Well Head Deficiencies / Comments
C-1	14.5	n/a	1321	7.04	
C-2	14.5	2	1325	7.10	
CCPE	52	2	1303	8.35	
CCPNE		2	1307	8.67	
CCPSW		2	1415	8.23	
CCW-4		1	1212	5.32	
GH6-M1	35	2	1107	27.54	
GH8-M3	40	2	1110	26.80	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	INACCESSIBLE
LAMW-5S	74	4	1421	52.86	
M6-1	45	2	1121	6.16	
M6-2	20	2	1122	4.62	
M7-1	40	2	1116	7.29	
M7-2	25	2	1117	6.49	
MBCMW-5	19.4	n/a	—	—	BURIED
MBCMW-6	64.26	n/a	—	—	"
MBCMW-7	52.5	2	1150	11.40	
MBCMW-8	10	2	1149	7.19	
MBCMW-9	9	2	1208	7.32	
MBCMW-10	53	2	1209	8.83	
MCWP-MW01	148	6	1138	10.54	
MCWP-MW02	145	6	1337	12.02	
MCWP-MW03	134	6	1347	7.76	
MCWP-MW04D	145	4	1141	9.72	
MCWP-MW04S	20	4	1143	5.86	
MCWP-MW05	150	4	1205	7.88	
MCWP-MW06	137	2	1338	10.10	
MCWP-MW07D	134	2	1349	7.65	
MCWP-MW07S	20	2	1350	5.80	
MCWP-MW08	77	2	1407	8.58	
MCWP-MW09	89	2	1400	6.19	
MCWP-MW10	22	2	1315	8.09	
P-4	12.5	4	1258	7.04	
P-9	14.3	4	1300	7.61	
SMBRP-2	25	2	1238	8.69	
SMBRP-6	25	2	1228	14.54	
SMBRP-7b	25	2	1219	10.16	
SMBRP-8 (EG-RC MW01)	60	4	1101	27.21	
SMBRP-9	45	2	1050	36.70	
SMBRP-10C	25	2	1128	5.05	
SMBRP-11	20	2	1353	8.59	
SMBRP-12	25	2	1401	7.30	
SMBRP-13	20	2	1408	8.51	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1146	5.90	

Appendix B

Laboratory Analytical Reports

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Surface Water
15-01587

Lab Request: 412841
Report Date: 03/06/2019
Date Received: 02/26/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412841-001	N-001
412841-002	N-002
412841-003	N-003
412841-004	N-004
412841-005	L-001
412841-006	L-002
412841-007	L-003
412841-008	L-004
412841-009	L-005
412841-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 10:45 **Site:**
Sample #: **412841-001** **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/26/19 20:54	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	02/26/19	02/26/19 20:54	JP	
Nitrite, as Nitrogen	ND	200	3.6	20	mg/L	02/26/19	02/27/19 13:29	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211968
Total Phosphorous as P	**0.026**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.080**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**41**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 10:55 **Site:**
Sample #: **412841-002** **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/26/19 21:52	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	02/26/19	02/26/19 21:52	JP	
Nitrite, as Nitrogen	ND	200	3.6	20	mg/L	02/26/19	02/27/19 14:27	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211968
Total Phosphorous as P	**0.203**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.622**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**58**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 11:15 **Site:**
Sample #: **412841-003** **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/26/19 23:30	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	02/26/19	02/26/19 23:30	JP	
Nitrite, as Nitrogen	ND	200	3.6	20	mg/L	02/26/19	02/27/19 15:26	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211968
Total Phosphorous as P	ND	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	ND	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**280**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 10:05 **Site:**
Sample #: **412841-004** **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.12 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/26/19 23:49	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	02/26/19	02/26/19 23:49	JP	
Nitrite, as Nitrogen	ND	200	3.6	20	mg/L	02/26/19	02/27/19 16:14	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**0.120 J**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211968
Total Phosphorous as P	ND	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	ND	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**650**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 12:10 **Site:**
Sample #: 412841-005 **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.49 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211761		
Nitrate + Nitrite, as Nitrogen	**4.73**	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:09	JP	
Nitrate, as Nitrogen	**4.73**	1	0.012	0.1	mg/L	02/26/19	02/27/19 00:09	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:09	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1211990		
Total Kjeldahl Nitrogen	**0.493**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1211896		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1211968		
Total Phosphorous as P	**0.493**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.512**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1211756		
Fecal Coliform	**63**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 12:40 **Site:**
Sample #: 412841-006 **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.30 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211761		
Nitrate + Nitrite, as Nitrogen	**4.40**	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:28	JP	
Nitrate, as Nitrogen	**4.40**	1	0.012	0.1	mg/L	02/26/19	02/27/19 00:28	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:28	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1211990		
Total Kjeldahl Nitrogen	**0.299 J**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1211896		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1211968		
Total Phosphorous as P	**0.424**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.300**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1211756		
Fecal Coliform	**64**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 12:25 **Site:**
Sample #: 412841-007 **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.79**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**3.45**	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:48	JP	
Nitrate, as Nitrogen	**3.45**	1	0.012	0.1	mg/L	02/26/19	02/27/19 00:48	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 00:48	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**0.790**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211968
Total Phosphorous as P	**0.425**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.300**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**30**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 11:45 **Site:**
Sample #: 412841-008 **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.54**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**4.04**	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:07	JP	
Nitrate, as Nitrogen	**4.04**	1	0.012	0.1	mg/L	02/26/19	02/27/19 01:07	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:07	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**0.542**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211968
Total Phosphorous as P	**0.468**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.435**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**88**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 11:10 **Site:**
Sample #: 412841-009 **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.59**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**3.43**	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:27	JP	
Nitrate, as Nitrogen	**3.43**	1	0.012	0.1	mg/L	02/26/19	02/27/19 01:27	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:27	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**0.587**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211968
Total Phosphorous as P	**0.343**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.052**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**260**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/26/2019 11:30 **Site:**
Sample #: 412841-010 **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**3.10**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**0.05 J**	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:46	JP	J
Nitrate, as Nitrogen	**0.05 J**	1	0.012	0.1	mg/L	02/26/19	02/27/19 01:46	JP	J
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 01:46	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211990
Total Kjeldahl Nitrogen	**3.1**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211968
Total Phosphorous as P	**0.460**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.410**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**210**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

QCBatchID: QC1211761 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/26/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211761MB1					
Chloride	**0.9 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	**0.2 J**	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211761LCS1											
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.96		mg/L	99			90-110		
Nitrite, as Nitrogen	9.15		9.48		mg/L	104			90-110		
Sulfate	50		49.0		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211761MS1, QC1211761MSD1												**Source: 412841-001**
Chloride	18700	20000	20000	38000	37400	mg/L	97	94	1.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	7.75	8.48	mg/L	86	94	9.0	80-120	20	
Nitrite, as Nitrogen	ND	1830	1830	2150	2070	mg/L	117	113	3.8	80-120	20	
Sulfate	2560	10000	10000	12900	12200	mg/L	103	96	5.6	80-120	20	
QC1211761MS2, QC1211761MSD2												**Source: 412841-002**
Chloride	18900	20000	20000	39700	37700	mg/L	104	94	5.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	8.48	8.54	mg/L	94	95	0.7	80-120	20	
Nitrite, as Nitrogen	ND	1830	1830	2320	2220	mg/L	127	121	4.4	80-120	20	M
Sulfate	2520	10000	10000	11900	12000	mg/L	94	95	0.8	80-120	20	

QCBatchID: QC1211896 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211896MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211896LCS1											
Ammonia, as Nitrogen	5		5.19		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211896MS1, QC1211896MSD1												**Source: 412841-001**
Ammonia, as Nitrogen	ND	5	5	4.71	4.71	mg/L	94	94	0.0	80-120	20	

QCBatchID: QC1211968 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 03/04/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211968MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211968LCS1											
Total Phosphorous as P	0.4		0.409		mg/L	102			80-120		
Total Phosphorous as PO4	1.23		1.254		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211968MS1, QC1211968MSD1												**Source: 412841-001**
Total Phosphorous as P	0.026	0.4	0.4	0.404	0.401	mg/L	95	94	0.7	75-125	20	
Total Phosphorous as PO4	0.080	1.23	1.23	1.239	1.229	mg/L	94	93	0.8	75-125	20	

QCBatchID: QC1211990 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211990MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211990LCS1											
Total Kjeldahl Nitrogen	2.5		2.5		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211990MS1, QC1211990MSD1												**Source: 412841-002**
Total Kjeldahl Nitrogen	ND	12.5	12.5	12	10	mg/L	96	80	18.2	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
806 N. Batavia St., Orange, CA 92868	Lab No: 412841	Standard: ☐ 4 Day: ☐ 3 Day: ☐
Phone: (714) 771-6900 Fax: (714)771-9933	Page: 1 of 1	2 Day: ☐ 1 Day: ☐ Same Day: ☐
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants.	Name:	Malibu (35) Civic Center
Report To:	Peter Doran	Number:	
Email:	pdoran@RinconConsultants.com	P.O. #:	15-01597
Address:	180 Ashwood Ave	Address:	
Phone:	805.6444455	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: See Bottles	Test Instructions / Comments
1	N-001	2-26-19	1045	W	Various.	Various	X	
2	N-002		1055				X	
3	N-003		1115				X	
4	N-004		1005				X	
5	L-001		1210				X	
6	L-002		1240				X	
7	L-003		1225				X	
8	L-004		1145				X	
9	L-005		1110				X	
10	L-006		1130				X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Rincon / Env. Sci.	2-26-19 / 1345
[1] Received By:		Kelly Trapp	Enthalpy	2-26-19 13:46
[2] Relinquished By:		Kelly Trapp	"	2-26-19 16:05
[2] Received By:		Juan Portillo	EA/GL	2/26/19 1605
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu- (SS) Civic Center

Date Received: 2/26/19

Sampler's Name Present: ☑ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.2 #2: 6.1 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: 2.7 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/26/19

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 412841				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	1	of	1	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2, NO3	TKN; NH3; Phosphorus, Organic Nitrogen								Test Instructions / Comments
	N-001						X	X	X								
	N-002						X	X	X								
	N-003						X	X	X								
	N-004						X	X	X								
	L-001						X	X	X								
	L-002						X	X	X								
	L-003						X	X	X								
	L-004						X	X	X								
	L-005						X	X	X								
	L-006						X	X	X								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:				
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412842
Report Date: 03/07/2019
Date Received: 02/26/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412842-001	LAMW-5S
412842-002	SMBRP-9
412842-003	SMBRP-11
412842-004	SMBRP-12
412842-005	SMBRP-13
412842-006	MCWP-MW04S
412842-007	MCWP-MW09
412842-008	MCWP-MW07S
412842-009	MCWP-MW07D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 10:30	**Site:**			
Sample #:	**412842-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.06 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**14.3**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.234**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**100**	1	0.086	1	mg/L	02/26/19	02/27/19 02:45	JP	
Nitrate + Nitrite, as Nitrogen	**14.2**	1	0.018	0.1	mg/L	02/26/19	02/27/19 02:45	JP	
Nitrate, as Nitrogen	**14.2**	1	0.012	0.1	mg/L	02/26/19	02/27/19 02:45	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 02:45	JP	
Sulfate	**131**	10	0.77	10	mg/L	02/26/19	02/27/19 16:34	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.059 J**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	J
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**46**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**626**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**50.3**	1.54	0.77	0.77	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**6.84**	1			pH Units	02/27/19 00:00	02/27/19 10:30	CM	T2
Temp. at Time of pH Measurement	**8.5**	1			°C	02/27/19 00:00	02/27/19 10:30	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**3.88**	5	0.05	0.1	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**11.9**	5	0.15	0.3	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	ND	1	1.5	3	mg/L	02/27/19	02/27/19 10:30	CM	
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**1.34**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.17**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 09:45	**Site:**			
Sample #:	**412842-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.61**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.57**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.550**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**116**	1	0.086	1	mg/L	02/26/19	02/27/19 03:04	JP	
Nitrate + Nitrite, as Nitrogen	**1.96**	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:04	JP	
Nitrate, as Nitrogen	**1.96**	1	0.012	0.1	mg/L	02/26/19	02/27/19 03:04	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:04	JP	
Sulfate	**234**	10	0.77	10	mg/L	02/26/19	02/27/19 16:53	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.612**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**160**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**1330**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**90.2**	2	1	1	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**7.04**	1			pH Units	02/27/19 00:00	02/27/19 10:32	CM	T2
Temp. at Time of pH Measurement	**8.3**	1			°C	02/27/19 00:00	02/27/19 10:32	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.019 J**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	J
Total Phosphorous as PO4	**0.058 J**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	J
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**2 J**	1	1.5	3	mg/L	02/27/19	02/27/19 10:32	CM	J,BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**1.46**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.069**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**730**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 11:00	**Site:**			
Sample #:	**412842-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.68**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**9.22**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	**2.8 J**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.531**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**205**	10	0.86	10	mg/L	02/26/19	02/27/19 17:52	JP	
Nitrate + Nitrite, as Nitrogen	**7.62**	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:24	JP	
Nitrate, as Nitrogen	**7.62**	1	0.012	0.1	mg/L	02/26/19	02/27/19 03:24	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:24	JP	
Sulfate	**252**	10	0.77	10	mg/L	02/26/19	02/27/19 17:52	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**1.6**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**150**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**1070**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**351**	6.67	3.335	3.335	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	**0.18**	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**6.84**	1			pH Units	02/27/19 00:00	02/27/19 10:34	CM	T2
Temp. at Time of pH Measurement	**8.0**	1			°C	02/27/19 00:00	02/27/19 10:34	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	**0.915**	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.036**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.110**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**9**	1	1.5	3	mg/L	02/27/19	02/27/19 10:34	CM	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**5.88**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.074**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**520**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 12:15	**Site:**			
Sample #:	**412842-004**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.60**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**13.1**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1211931
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1211847
Boron	**0.774**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1211761
Chloride	**338**	10	0.86	10	mg/L	02/26/19	02/27/19 18:11	JP	
Nitrate + Nitrite, as Nitrogen	**0.09 J**	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:43	JP	J
Nitrate, as Nitrogen	**0.09 J**	1	0.012	0.1	mg/L	02/26/19	02/27/19 03:43	JP	J
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 03:43	JP	
Sulfate	**381**	10	0.77	10	mg/L	02/26/19	02/27/19 18:11	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**13**	5	0.26	2	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1211808
Turbidity	**230**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1211869
Total Dissolved Solids	**1690**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1211905
Total Suspended Solids	**308**	6.67	3.335	3.335	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1211946
pH	**6.88**	1			pH Units	02/27/19 00:00	02/27/19 10:36	CM	T2
Temp. at Time of pH Measurement	**8.1**	1			°C	02/27/19 00:00	02/27/19 10:36	CM	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1211974
Ammonia, as Nitrogen	**11.4**	5	0.05	0.5	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1211969
Total Phosphorous as P	**0.334**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.020**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1211831
BOD	**2 J**	1	1.5	3	mg/L	02/27/19	02/27/19 10:36	CM	J
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**4.95**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1211833
MBAS	**0.33**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1211756
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**51**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 13:00	**Site:**			
Sample #:	**412842-005**	**Client Sample #:**	SMBRP-13	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.48 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Nitrate + Nitrite, as Nitrogen	**0.11**	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:03	JP	
Nitrate, as Nitrogen	**0.11**	1	0.012	0.1	mg/L	02/26/19	02/27/19 04:03	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:03	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.867**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**2530**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	**0.392**	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**2.38**	5	0.05	0.1	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**7.30**	5	0.15	0.3	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**4.1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**14**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 11:00	**Site:**			
Sample #:	**412842-006**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.94**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**4.55**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID: QC1211931		
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID: QC1211847		
Boron	**1.64**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211761		
Chloride	**877**	50	4.3	50	mg/L	02/26/19	02/28/19 16:00	JP	
Nitrate + Nitrite, as Nitrogen	**3.61**	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:22	JP	
Nitrate, as Nitrogen	**3.61**	1	0.012	0.1	mg/L	02/26/19	02/27/19 04:22	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:22	JP	
Sulfate	**2620**	50	3.85	50	mg/L	02/26/19	02/28/19 16:00	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1211991		
Total Kjeldahl Nitrogen	**0.939**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID: QC1211806		
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID: QC1211808		
Turbidity	**3.5**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID: QC1211807		
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1211869		
Total Dissolved Solids	**5930**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID: QC1211905		
Total Suspended Solids	**1.1**	1.11	0.555	0.555	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1211772		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1211946		
pH	**7.19**	1			pH Units	02/27/19 00:00	02/27/19 10:38	CM	T2
Temp. at Time of pH Measurement	**8.1**	1			°C	02/27/19 00:00	02/27/19 10:38	CM	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1211974		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1211969		
Total Phosphorous as P	**0.378**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.159**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID: QC1211831		
BOD	**7**	1	1.5	3	mg/L	02/27/19	02/27/19 10:38	CM	BQ1
Method: SM 5310B Prep Method: Method							QCBatchID: QC1212027		
Total Organic Carbon (TOC)	**15.6**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1211833		
MBAS	**0.097**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1211756		
Fecal Coliform	**<1**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**16**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 12:15	**Site:**			
Sample #:	**412842-007**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.17 J**	1	0.04	0.5	mg/L		03/06/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.09**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	**3.8 J**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.703**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**408**	10	0.86	10	mg/L	02/26/19	02/27/19 19:10	JP	
Nitrate + Nitrite, as Nitrogen	**1.20**	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:42	JP	
Nitrate, as Nitrogen	**1.20**	1	0.012	0.1	mg/L	02/26/19	02/27/19 04:42	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 04:42	JP	
Sulfate	**463**	10	0.77	10	mg/L	02/26/19	02/27/19 19:10	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.886**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**5.6**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**1800**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**5.6**	1.11	0.555	0.555	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**7.39**	1			pH Units	02/27/19 00:00	02/27/19 10:40	CM	T2
Temp. at Time of pH Measurement	**8.4**	1			°C	02/27/19 00:00	02/27/19 10:40	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	**0.713**	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.321**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.984**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**7**	1	1.5	3	mg/L	02/27/19	02/27/19 10:40	CM	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**5.58**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.54**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**1.0**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**64**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 10:00	**Site:**			
Sample #:	**412842-008**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.69**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**5.18**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	**4.2 J**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.352**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**181**	10	0.86	10	mg/L	02/26/19	02/27/19 19:29	JP	
Nitrate + Nitrite, as Nitrogen	**4.47**	1	0.018	0.1	mg/L	02/26/19	02/27/19 05:01	JP	
Nitrate, as Nitrogen	**4.47**	1	0.012	0.1	mg/L	02/26/19	02/27/19 05:01	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 05:01	JP	
Sulfate	**249**	10	0.77	10	mg/L	02/26/19	02/27/19 19:29	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.707**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**150**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**1150**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**336**	10	5	5	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**7.31**	1			pH Units	02/27/19 00:00	02/27/19 10:42	CM	T2
Temp. at Time of pH Measurement	**8.7**	1			°C	02/27/19 00:00	02/27/19 10:42	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	**0.015 J**	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.351**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.076**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**10**	1	1.5	3	mg/L	02/27/19	02/27/19 10:42	CM	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**4.20**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**0.12**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**11**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**550**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/26/2019 09:30	**Site:**			
Sample #:	**412842-009**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.84**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.59**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1211931
Total Oil and Grease	**3.6 J**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1211847
Boron	**0.094**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211761
Chloride	**18.4**	1	0.086	1	mg/L	02/26/19	02/27/19 19:49	JP	
Nitrate + Nitrite, as Nitrogen	**0.75**	1	0.018	0.1	mg/L	02/26/19	02/27/19 05:21	JP	
Nitrate, as Nitrogen	**0.75**	1	0.012	0.1	mg/L	02/26/19	02/27/19 05:21	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/26/19	02/27/19 05:21	JP	
Sulfate	**47.6**	1	0.077	1	mg/L	02/26/19	02/27/19 05:21	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.837**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1211806
Color	ND	1	5	5	Color Unit		02/26/19 19:15	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1211808
Turbidity	**130**	1	0.074	0.1	NTU		02/26/19 19:15	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1211807
Odor Threshold	ND	1	1	1	T.O.N		02/26/19 19:15	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211869
Total Dissolved Solids	**238**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1211905
Total Suspended Solids	**166**	5	2.5	2.5	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1211772
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		02/26/19 19:23	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1211946
pH	**7.32**	1			pH Units	02/27/19 00:00	02/27/19 10:45	CM	T2
Temp. at Time of pH Measurement	**9.3**	1			°C	02/27/19 00:00	02/27/19 10:45	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211974
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.290**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.889**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1211831
BOD	**27**	1	1.5	3	mg/L	02/27/19	02/27/19 10:45	CM	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1212027
Total Organic Carbon (TOC)	**11.1**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1211833
MBAS	**13**	12.5	0.0875	0.5	mg/L	02/27/19 16:00	02/27/19 21:59	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211756
Fecal Coliform	**50**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	02/26/19 16:57	02/27/19	SEM	

QCBatchID: QC1211761 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/26/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211761MB1					
Chloride	**0.9 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	**0.2 J**	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211761LCS1											
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.96		mg/L	99			90-110		
Nitrite, as Nitrogen	9.15		9.48		mg/L	104			90-110		
Sulfate	50		49.0		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211761MS1, QC1211761MSD1												**Source: 412841-001**
Chloride	18700	20000	20000	38000	37400	mg/L	97	94	1.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	7.75	8.48	mg/L	86	94	9.0	80-120	20	
Nitrite, as Nitrogen	ND	1830	1830	2150	2070	mg/L	117	113	3.8	80-120	20	
Sulfate	2560	10000	10000	12900	12200	mg/L	103	96	5.6	80-120	20	
QC1211761MS2, QC1211761MSD2												**Source: 412841-002**
Chloride	18900	20000	20000	39700	37700	mg/L	104	94	5.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	8.48	8.54	mg/L	94	95	0.7	80-120	20	
Nitrite, as Nitrogen	ND	1830	1830	2320	2220	mg/L	127	121	4.4	80-120	20	M
Sulfate	2520	10000	10000	11900	12000	mg/L	94	95	0.8	80-120	20	

QCBatchID: QC1211772 **Analyst:** wei **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 02/26/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211772MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211772LCS1											
Chlorine, Total Residual	1		0.99		mg/L	99			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211772DUP1						**Source: 412842-004**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1211806**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	02/26/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211806DUP1						**Source: 412842-009**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1211807**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	02/26/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211807DUP1						**Source: 412842-009**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1211808**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	02/26/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211808DUP1						**Source: 412842-009**
Turbidity	130	130	NTU	0.0	20	

QCBatchID: QC1211831	**Analyst:** wei		**Method:** SM 5210-B		
Matrix: Water	**Analyzed:** 02/27/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211831MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211831LCS1											
BOD	198		175		mg/L	88			84.6-115.4		

QCBatchID: QC1211833 **Analyst:** wei **Method:** SM 5540-C

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211833MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211833LCS1											
MBAS	1		0.99		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211833MS1, QC1211833MSD1												**Source: 412871-001**
MBAS	0.019	1	1	0.95	0.93	mg/L	93	91	2.1	75-125	20	

QCBatchID: QC1211847 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 02/28/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211847MB1					
Boron	**0.039 J**	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.004	0.01	
Lead	ND	mg/L	0.005	0.01	
Molybdenum	ND	mg/L	0.005	0.01	
Nickel	ND	mg/L	0.003	0.01	
Selenium	**0.018 J**	mg/L	0.016	0.03	
Silver	ND	mg/L	0.003	0.005	
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211847LCS1											
Boron	2		1.98		mg/L	99			85-115		
Cadmium	2		1.89		mg/L	95			85-115		
Chromium	2		1.97		mg/L	99			85-115		
Copper	2		1.95		mg/L	98			85-115		
Lead	2		1.80		mg/L	90			85-115		
Molybdenum	2		1.96		mg/L	98			85-115		
Nickel	2		1.83		mg/L	92			85-115		
Selenium	2		1.83		mg/L	92			85-115		
Silver	2		1.82		mg/L	91			85-115		
Zinc	2		1.89		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211847MS1												**Source: 412803-001**
Boron	0.573	1		1.54		mg/L	97			75-125		
Cadmium	0.037	1		0.969		mg/L	93			75-125		
Chromium	0.011	1		0.963		mg/L	95			75-125		
Copper	0.005	1		0.993		mg/L	99			75-125		
Lead	ND	1		0.839		mg/L	84			75-125		
Molybdenum	0.020	1		0.963		mg/L	94			75-125		
Nickel	0.006	1		0.882		mg/L	88			75-125		
Selenium	ND	1		0.893		mg/L	89			75-125		
Silver	0.004	1		0.892		mg/L	89			75-125		
Zinc	0.026	1		0.952		mg/L	93			75-125		
QC1211847MS2												**Source: 412803-004**
Boron	0.494	1		1.50		mg/L	101			75-125		
Cadmium	0.169	1		1.11		mg/L	94			75-125		
Chromium	0.011	1		0.975		mg/L	96			75-125		
Copper	0.006	1		0.992		mg/L	99			75-125		
Lead	ND	1		0.844		mg/L	84			75-125		
Molybdenum	0.020	1		0.969		mg/L	95			75-125		
Nickel	0.012	1		0.936		mg/L	92			75-125		
Selenium	ND	1		0.868		mg/L	87			75-125		
Silver	ND	1		1.11		mg/L	111			75-125		
Zinc	0.013	1		0.938		mg/L	93			75-125		

QCBatchID: QC1211869 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211869MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211869LCS1											
Total Dissolved Solids	1000		1010		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211869DUP1						**Source: 412842-006**
Total Dissolved Solids	5930	6140	mg/L	3.5	5	

QCBatchID: QC1211905	**Analyst:** Echavez		**Method:** SM 2540-D		
Matrix: Water	**Analyzed:** 02/28/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211905MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211905DUP1						**Source: 412842-009**
Total Suspended Solids	166	167	mg/L	0.6	5	

QCBatchID: QC1211931 **Analyst:** trinh **Method:** EPA 1664A

Matrix: Water **Analyzed:** 03/04/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211931MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1211931LCS1, QC1211931LCSD1											
Non-Polar Oil and Grease	20	20	18.3	20.1	mg/L	92	101	9	64-132	34	
Total Oil and Grease	40	40	38.5	44.9	mg/L	96	112	15	78-114	18	

QCBatchID:	**QC1211946**	**Analyst:**	Echavez	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	03/04/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211946DUP1						**Source: 412842-001**
pH	6.84	6.84	pH Units	0.0	20	
Temp. at Time of pH Measurement	8.5	8.5	°C	0.0	20	

QCBatchID: QC1211969 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 03/04/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211969MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969LCS1											
Total Phosphorous as P	0.4		0.404		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.239		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969MS1, QC1211969MSD1												**Source: 412876-001**
Total Phosphorous as P	0.024	0.8	0.8	0.892	0.896	mg/L	109	109	0.4	75-125	20	
Total Phosphorous as PO4	0.074	2.46	2.46	2.74	2.75	mg/L	108	109	0.4	75-125	20	

QCBatchID: QC1211974 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211974MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211974LCS1											
Ammonia, as Nitrogen	5		4.73		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211974MS1, QC1211974MSD1												**Source: 412871-001**
Ammonia, as Nitrogen	ND	5	5	3.86	3.85	mg/L	77	77	0.3	80-120	20	M

QCBatchID: QC1211991 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211991MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991MS1, QC1211991MSD1												**Source: 412842-006**
Total Kjeldahl Nitrogen	0.939	12.5	12.5	15	15	mg/L	112	112	0.0	80-120	20	

QCBatchID: QC1212027 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1212027MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1212027LCS1											
Total Organic Carbon (TOC)	10		10.1		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1212027MS1, QC1212027MSD1												**Source: 412871-001**
Total Organic Carbon (TOC)	1.20	20	20	21.5	24.6	mg/L	102	117	13.4	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
806 N. Batavia St., Orange, CA 92868	Lab No: 412042	Standard: ✓ / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714)771-9933	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants,	Name:	Malibu (GW) Civic Center
Report To:	Peter Doran	Number:	
Email:	pdoran@rinconconsultants.com	P.O. #:	15-01597
Address:	128 N Ashwood	Address:	
	Ventura CA		
Phone:	805-644-4455	Global ID:	
Fax:		Sampled By:	Peter D. Nicon.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: SEE BOTTLES	Test Instructions / Comments
1	LAMW-5S		1030	W	VARIOUS	VARIOUS	X	
2	SMBRP-9		0945				X	
3	SMBRP-11		1100				X	
4	SMBRP-12		1215				X	
5	SMBRP-13		1300				X	
6	MCWP-MW04S		1100				X	
7	MCWP-MW09		1215				X	
8	MCWP-MW07S		1000				X	
9	MCWP-MW07D		0930				X	
10								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Peter Doran	Rincon / Env. Sci	2.26.19 / 1345
1 Received By:		Hao Nan	Enthalpy	2-26-19 1346
2 Relinquished By:		Hao Nan	"	2-26-19 1605
2 Received By:		Zaid Padilla	ENTH	2/26/19 1605
3 Relinquished By:				
3 Received By:				

2.21.6 6.1.2.7

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu- (GW) Civic Center

Date Received: 2/26/19

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.2 #2: 6.1 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: 2.7 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/26/19

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 412842	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
	LAMW-5S						X	X	X	X	X	X	X	X			
	SMBRP-9						X	X	X	X	X	X	X	X			
	SMBRP-11						X	X	X	X	X	X	X	X			
	SMBRP-12						X	X	X	X	X	X	X	X			
	MCWP-MW04S ✓						X	X	X	X	X	X	X	X			
	MCWP-MW04D						X	X	X	X	X	X	X	X			
	MCWP-MW07S ✓						X	X	X	X	X	X	X	X			
	MCWP-MW07D ✓						X	X	X	X	X	X	X	X			
	MCWP-MW09 ✓						X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:				
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 412842				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	1	of	1	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen							Test Instructions / Comments
	SMBRP-13 ✓						X	X	X	X							
	MCWP-MW10						X	X	X	X							
	CCPE						X	X	X	X							
	MBCMW-9						X	X	X	X							
	SMBRP-7B						X	X	X	X							

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:				
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412869
Report Date: 03/07/2019
Date Received: 02/27/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412869-001	MCWP-MW06

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/27/2019 09:30	**Site:**			
Sample #:	**412869-001**	**Client Sample #:**	MCWP-MW06	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211825		
Nitrate, as Nitrogen	**4.25**	1	0.012	0.1	mg/L	02/27/19	02/28/19 10:44	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1211868		
Total Dissolved Solids	**1300**	2	20	20	mg/L	02/28/19	03/01/19	WW	

QCBatchID: QC1211825 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211825MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**0.845 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825LCS1											
Bromide	15		15.4		mg/L	103			90-110		
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.79		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		9.01		mg/L	98			90-110		
Sulfate	50		47.7		mg/L	95			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825MS1, QC1211825MSD1												**Source: 412875-001**
Bromide	0.193	15	15	14.5	16.7	mg/L	95	110	14.1	80-120	20	
Chloride	63.7	100	100	165	167	mg/L	101	103	1.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.08	9.34	mg/L	101	103	2.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.2	11.1	mg/L	111	121	8.5	80-120	20	M
Sulfate	14.2	50	50	62.3	61.8	mg/L	96	95	0.8	80-120	20	

QCBatchID: QC1211868 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211868MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211868LCS1											
Total Dissolved Solids	1000		1060		mg/L	106			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211868DUP1						**Source: 412860-001**
Total Dissolved Solids	344	330	mg/L	4.2	5	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record					Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 412869					Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	1			2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other					**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBRTALIK@RinconConsultants.com	P.O. #:	15-01597
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	PETER D. NICOLAS

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 300.0: NO3	TDS								Test Instructions / Comments
~~MCWP-MW05~~						X	X								PD
MCWP-MW06	2.27.19	0930	W	VARIOUS	VARIOUS	X	X								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER, DORAN	Rincon / ENV. SCI.	2.27.19 / 1315
[1] Received By:			Enthalpy	2/27/19 1315
[2] Relinquished By:			Enthalpy	2/27/19 1515
[2] Received By:		Carina Glacum	EA	2.27.19 1530
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly / Semi-Annual

Date Received: 2/27/19

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2.27.19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412905
Report Date: 03/07/2019
Date Received: 02/28/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412905-001	MCWP-MW05

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/28/2019 11:25	**Site:**			
Sample #:	**412905-001**	**Client Sample #:**	MCWP-MW05	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1211824		
Nitrate, as Nitrogen	**1.97**	1	0.012	0.1	mg/L	02/27/19	02/28/19 15:40	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1211983		
Total Dissolved Solids	**1220**	2	20	20	mg/L	03/05/19	03/06/19	WW	

QCBatchID: QC1211824 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211824MB1					
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211824LCS1											
Nitrate, as Nitrogen	9.03		8.80		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		8.96		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211824MS1, QC1211824MSD1												**Source: 412857-001**
Nitrate, as Nitrogen	3.27	9.03	9.03	12.4	12.3	mg/L	101	100	0.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.6	10.6	mg/L	116	116	0.0	80-120	20	

QCBatchID: QC1211983 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211983MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211983LCS1											
Total Dissolved Solids	1000		947		mg/L	95			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211983DUP1						**Source: 412899-001**
Total Dissolved Solids	4350	4370	mg/L	0.5	5	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record									Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No:	412905								Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	1	of	1						2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other									Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group															
1 Park Plaza, Suite 1000, Irvine, CA 92614															

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@RinconConsultants.com	P.O. #:	15-01597
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN.

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 300.0: NO3	TDS								Test Instructions / Comments
MCWP-MW05	2.28.19	1125	W	2/1,0.5L	NONE	X	X								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		PETER DORAN	Rincon/ENV. SCI	2.28.19 / 1210
1 Received By:			Enthalpy	2/28/19 1210
2 Relinquished By:			Enthalpy	2/28/19 1447
2 Received By:			FA	2/28/19 1447
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants - Ventura Project: Malibu

Date Received: 2/28/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 12.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/28/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412899
Report Date: 03/11/2019
Date Received: 02/28/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412899-001	MBCMW-9
412899-002	SMBRP-7B

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/28/2019 10:15 **Site:**
Sample #: 412899-001 **Client Sample #:** MBCMW-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.5	mg/L		03/07/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211824
Nitrate, as Nitrogen	**0.05 J**	1	0.012	0.1	mg/L	02/27/19	02/28/19 15:01	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 15:01	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211983
Total Dissolved Solids	**4350**	4	40	40	mg/L	03/05/19	03/06/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211967
Total Phosphorous as P	**0.317**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.972**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211861
Fecal Coliform	**1700**	1			MPN/100ml	02/28/19 14:51	03/01/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	02/28/19 14:51	03/01/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/28/2019 11:00 **Site:**
Sample #: 412899-002 **Client Sample #:** SMBRP-7B **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.08 J**	1	0.04	0.5	mg/L		03/07/19	SLL	J
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211824
Nitrate, as Nitrogen	**2.92**	1	0.012	0.1	mg/L	02/27/19	02/28/19 15:21	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 15:21	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.077 J**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	J
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211983
Total Dissolved Solids	**1950**	2	20	20	mg/L	03/05/19	03/06/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211896
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/01/19	03/01/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211967
Total Phosphorous as P	**0.204**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.626**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211861
Fecal Coliform	**4.1**	1			MPN/100ml	02/28/19 14:51	03/01/19	LH	
Total Coliform	**190**	1			MPN/100ml	02/28/19 14:51	03/01/19	LH	

QCBatchID: QC1211824 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211824MB1					
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211824LCS1											
Nitrate, as Nitrogen	9.03		8.80		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		8.96		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211824MS1, QC1211824MSD1												**Source: 412857-001**
Nitrate, as Nitrogen	3.27	9.03	9.03	12.4	12.3	mg/L	101	100	0.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.6	10.6	mg/L	116	116	0.0	80-120	20	

QCBatchID: QC1211896 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211896MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211896LCS1											
Ammonia, as Nitrogen	5		5.19		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211896MS1, QC1211896MSD1												**Source: 412841-001**
Ammonia, as Nitrogen	ND	5	5	4.71	4.71	mg/L	94	94	0.0	80-120	20	

QCBatchID: QC1211967	**Analyst:** trinh		**Method:** SM 4500-P-B-5-E		
Matrix: Water	**Analyzed:** 03/04/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211967MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1211967LCS1											
Total Phosphorous as P	0.4		0.433		mg/L	108			80-120		
Total Phosphorous as PO4	1.23		1.328		mg/L	108			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1211967MS1, QC1211967MSD1												**Source: 412899-002**
Total Phosphorous as P	0.204	1	1	1.212	1.212	mg/L	101	101	0.0	75-125	20	
Total Phosphorous as PO4	0.626	3.066	3.066	3.72	3.72	mg/L	101	101	0.0	75-125	20	

QCBatchID: QC1211983 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211983MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211983LCS1											
Total Dissolved Solids	1000		947		mg/L	95			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211983DUP1						**Source: 412899-001**
Total Dissolved Solids	4350	4370	mg/L	0.5	5	

QCBatchID: QC1211991 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211991MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991MS1, QC1211991MSD1												**Source: 412842-006**
Total Kjeldahl Nitrogen	0.939	12.5	12.5	15	15	mg/L	112	112	0.0	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 412899	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@RinconConsultants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
MBCMW-9	2-28-19	1015	W	5/Various	None/4	X	X	X	X	
SMBRP-7B	2-28-19	1100	"	5/Various	"	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Env. Sci. / Rincon	2-28-19 / 1210
[1] Received By:			Enthalpy	2/28/19 1210
[2] Relinquished By:			Enthalpy	2/28/19 1444
[2] Received By:			GT	2/28/19 1444
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants - Ventura Project: Malibu

Date Received: 2/28/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 12.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/28/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412871
Report Date: 03/11/2019
Date Received: 02/27/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412871-001	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	02/27/2019 13:00	**Site:**			
Sample #:	**412871-001**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.72**	1	0.1	0.5	mg/L		03/06/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID: QC1211931		
Total Oil and Grease	**8.6**	1.11	1.554	5.55	mg/L	03/04/19	03/04/19	TP	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID: QC1211847		
Boron	**0.798**	1	0.03	0.05	mg/L	02/28/19	03/01/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID: QC1211825		
Chloride	**249**	50	4.3	50	mg/L	02/27/19	02/28/19 12:25	JP	
Nitrate + Nitrite, as Nitrogen	**1.72**	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:42	JP	
Nitrate, as Nitrogen	**1.72**	1	0.012	0.1	mg/L	02/27/19	02/28/19 11:42	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:42	JP	
Sulfate	**555**	50	3.85	50	mg/L	02/27/19	02/28/19 12:25	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID: QC1211991		
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID: QC1211913		
Color	ND	1	5	5	Color Unit		02/28/19 18:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID: QC1211915		
Turbidity	**0.22**	1	0.074	0.1	NTU		02/28/19 18:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID: QC1211914		
Odor Threshold	ND	1	1	1	T.O.N		02/28/19 18:00	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID: QC1211869		
Total Dissolved Solids	**1630**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID: QC1211907		
Total Suspended Solids	ND	1.11	0.555	0.555	mg/L	02/28/19	02/28/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID: QC1211839		
Chlorine, Total Residual	**0.02 J**	1	0.016	0.1	mg/L		02/27/19 17:58	WW	J,T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID: QC1211897		
pH	**7.08**	1			pH Units		02/28/19 18:00	EC	T2
Temp. at Time of pH Measurement	**22.0**	1			°C		02/28/19 18:00	EC	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID: QC1211974		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID: QC1211969		
Total Phosphorous as P	**0.069**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.212**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID: QC1211841		
BOD	ND	1	1.5	3	mg/L	02/27/19	02/27/19 17:40	WW	
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1212027		
Total Organic Carbon (TOC)	**1.20**	1	0.091	1	mg/L	03/05/19	03/05/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID: QC1211833		
MBAS	**0.019 J**	1	0.007	0.04	mg/L	02/27/19 16:00	02/27/19 21:59	NP	J
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1211827		
Fecal Coliform	**<1**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	
Total Coliform	**<1**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	

QCBatchID: QC1211825 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211825MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**0.845 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825LCS1											
Bromide	15		15.4		mg/L	103			90-110		
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.79		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		9.01		mg/L	98			90-110		
Sulfate	50		47.7		mg/L	95			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825MS1, QC1211825MSD1												**Source: 412875-001**
Bromide	0.193	15	15	14.5	16.7	mg/L	95	110	14.1	80-120	20	
Chloride	63.7	100	100	165	167	mg/L	101	103	1.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.08	9.34	mg/L	101	103	2.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.2	11.1	mg/L	111	121	8.5	80-120	20	M
Sulfate	14.2	50	50	62.3	61.8	mg/L	96	95	0.8	80-120	20	

QCBatchID: QC1211833 **Analyst:** wei **Method:** SM 5540-C

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211833MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211833LCS1											
MBAS	1		0.99		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211833MS1, QC1211833MSD1												**Source: 412871-001**
MBAS	0.019	1	1	0.95	0.93	mg/L	93	91	2.1	75-125	20	

QCBatchID: QC1211839	**Analyst:** wei	**Method:** SM 4500-Cl	
Matrix: Water	**Analyzed:** 02/27/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211839MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211839LCS1											
Chlorine, Total Residual	1		1.02		mg/L	102			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211839DUP1						**Source: 412882-002**
Chlorine, Total Residual	25.2	25.2	mg/L	0.0	20	

QCBatchID:	**QC1211841**	**Analyst:**	wei	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	02/27/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211841MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211841LCS1											
BOD	198		176		mg/L	89			84.6-115.4		

QCBatchID: QC1211847 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 02/28/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211847MB1					
Boron	**0.039 J**	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.004	0.01	
Lead	ND	mg/L	0.005	0.01	
Molybdenum	ND	mg/L	0.005	0.01	
Nickel	ND	mg/L	0.003	0.01	
Selenium	**0.018 J**	mg/L	0.016	0.03	
Silver	ND	mg/L	0.003	0.005	
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211847LCS1											
Boron	2		1.98		mg/L	99			85-115		
Cadmium	2		1.89		mg/L	95			85-115		
Chromium	2		1.97		mg/L	99			85-115		
Copper	2		1.95		mg/L	98			85-115		
Lead	2		1.80		mg/L	90			85-115		
Molybdenum	2		1.96		mg/L	98			85-115		
Nickel	2		1.83		mg/L	92			85-115		
Selenium	2		1.83		mg/L	92			85-115		
Silver	2		1.82		mg/L	91			85-115		
Zinc	2		1.89		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211847MS1												**Source: 412803-001**
Boron	0.573	1		1.54		mg/L	97			75-125		
Cadmium	0.037	1		0.969		mg/L	93			75-125		
Chromium	0.011	1		0.963		mg/L	95			75-125		
Copper	0.005	1		0.993		mg/L	99			75-125		
Lead	ND	1		0.839		mg/L	84			75-125		
Molybdenum	0.020	1		0.963		mg/L	94			75-125		
Nickel	0.006	1		0.882		mg/L	88			75-125		
Selenium	ND	1		0.893		mg/L	89			75-125		
Silver	0.004	1		0.892		mg/L	89			75-125		
Zinc	0.026	1		0.952		mg/L	93			75-125		
QC1211847MS2												**Source: 412803-004**
Boron	0.494	1		1.50		mg/L	101			75-125		
Cadmium	0.169	1		1.11		mg/L	94			75-125		
Chromium	0.011	1		0.975		mg/L	96			75-125		
Copper	0.006	1		0.992		mg/L	99			75-125		
Lead	ND	1		0.844		mg/L	84			75-125		
Molybdenum	0.020	1		0.969		mg/L	95			75-125		
Nickel	0.012	1		0.936		mg/L	92			75-125		
Selenium	ND	1		0.868		mg/L	87			75-125		
Silver	ND	1		1.11		mg/L	111			75-125		
Zinc	0.013	1		0.938		mg/L	93			75-125		

QCBatchID: QC1211869 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 03/01/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211869MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211869LCS1											
Total Dissolved Solids	1000		1010		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211869DUP1						**Source: 412842-006**
Total Dissolved Solids	5930	6140	mg/L	3.5	5	

QCBatchID:	**QC1211897**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	02/28/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211897DUP1						**Source: 412871-001**
pH	7.08	7.10	pH Units	0.3	20	
Temp. at Time of pH Measurement	22.0	22.0	°C	0.0	20	

QCBatchID: QC1211907	**Analyst:** Echavez		**Method:** SM 2540-D		
Matrix: Water	**Analyzed:** 02/28/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211907MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211907DUP1						**Source: 412868-003**
Total Suspended Solids	49.6	48.8	mg/L	1.6	5	

QCBatchID:	**QC1211913**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	02/28/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211913DUP1						**Source: 412871-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1211914**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	02/28/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211914DUP1						**Source: 412871-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1211915**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	02/28/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211915DUP1						**Source: 412871-001**
Turbidity	0.22	0.22	NTU	0.0	20	

QCBatchID: QC1211931	**Analyst:** trinh	**Method:** EPA 1664A	
Matrix: Water	**Analyzed:** 03/04/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211931MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1211931LCS1, QC1211931LCSD1											
Non-Polar Oil and Grease	20	20	18.3	20.1	mg/L	92	101	9	64-132	34	
Total Oil and Grease	40	40	38.5	44.9	mg/L	96	112	15	78-114	18	

QCBatchID: QC1211969 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 03/04/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211969MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969LCS1											
Total Phosphorous as P	0.4		0.404		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.239		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969MS1, QC1211969MSD1												**Source: 412876-001**
Total Phosphorous as P	0.024	0.8	0.8	0.892	0.896	mg/L	109	109	0.4	75-125	20	
Total Phosphorous as PO4	0.074	2.46	2.46	2.74	2.75	mg/L	108	109	0.4	75-125	20	

QCBatchID: QC1211974 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211974MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211974LCS1											
Ammonia, as Nitrogen	5		4.73		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211974MS1, QC1211974MSD1												**Source: 412871-001**
Ammonia, as Nitrogen	ND	5	5	3.86	3.85	mg/L	77	77	0.3	80-120	20	M

QCBatchID: QC1211991 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211991MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991MS1, QC1211991MSD1												**Source: 412842-006**
Total Kjeldahl Nitrogen	0.939	12.5	12.5	15	15	mg/L	112	112	0.0	80-120	20	

QCBatchID: QC1212027 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1212027MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1212027LCS1											
Total Organic Carbon (TOC)	10		10.1		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1212027MS1, QC1212027MSD1												**Source: 412871-001**
Total Organic Carbon (TOC)	1.20	20	20	21.5	24.6	mg/L	102	117	13.4	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 538-1209	Lab No: 412871 Page: 1 of 1	Standard: X 4 Day: 3 Day: 2 Day: 1 Day: Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBRTALIK@RINCONCONSULTANTS.COM	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	PETER D. NICOLAU

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	X			PD
~~SMBRP-9~~						X	X	X	X	X	X	X	X			PD
~~SMBRP-11~~						X	X	X	X	X	X	X	X			PD
~~SMBRP-12~~						X	X	X	X	X	X	X	X			PD
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			PD
MCWP-MW04D	2.27.19	1300	W	VARIOUS	VARIOUS	X	X	X	X	X	X	X	X			
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X			PD
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X			PD
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			PD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	RINCON / ENV. SCI.	2.27.19 / 1315
[1] Received By:			Enthalpy	2/27/19 1315
[2] Relinquished By:			Enthalpy	2/27/19 1515
[2] Received By:		Carina Gaccum	EA	2.27.19 1530
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly / Semi-Annual

Date Received: 2/27/19

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)		✓	
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Oil + Grease bottle ID did not match COC

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: RC 2-27 Date/Time _____

☑ Email (email sent to/on): RC / 2-27-19

Project Manager's response:

Completed By: _____ Date: 2-27-19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly / Semi-Annual
Ground Water
15-01587

Lab Request: 412870
Report Date: 03/11/2019
Date Received: 02/27/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
412870-001	MCWP-MW10
412870-002	CCPE

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/27/2019 10:15 **Site:**
Sample #: 412870-001 **Client Sample #:** MCWP-MW10 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.50**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211825
Nitrate + Nitrite, as Nitrogen	**1.12**	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:03	JP	
Nitrate, as Nitrogen	**1.12**	1	0.012	0.1	mg/L	02/27/19	02/28/19 11:03	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:03	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**0.502**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211870
Total Dissolved Solids	**2060**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211972
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.379**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**1.162**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211827
Fecal Coliform	**5.2**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 02/27/2019 10:50 **Site:**
Sample #: 412870-002 **Client Sample #:** CCPE **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**1.30**	1	0.04	0.5	mg/L		03/06/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1211825
Nitrate + Nitrite, as Nitrogen	**1.10**	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:23	JP	
Nitrate, as Nitrogen	**1.10**	1	0.012	0.1	mg/L	02/27/19	02/28/19 11:23	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	02/27/19	02/28/19 11:23	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1211991
Total Kjeldahl Nitrogen	**1.3**	1	0.052	0.4	mg/L	03/04/19	03/05/19	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1211870
Total Dissolved Solids	**672**	2	20	20	mg/L	02/28/19	03/01/19	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1211972
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	03/04/19	03/05/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1211969
Total Phosphorous as P	**0.240**	1	0.01	0.02	mg/L	03/01/19	03/04/19	TP	
Total Phosphorous as PO4	**0.736**	1	0.03	0.06	mg/L	03/01/19	03/04/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1211827
Fecal Coliform	**580**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	
Total Coliform	**1400**	1			MPN/100ml	02/27/19 16:18	02/28/19	LH	

QCBatchID: QC1211825 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 02/27/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211825MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**0.845 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825LCS1											
Bromide	15		15.4		mg/L	103			90-110		
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.79		mg/L	97			90-110		
Nitrite, as Nitrogen	9.15		9.01		mg/L	98			90-110		
Sulfate	50		47.7		mg/L	95			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211825MS1, QC1211825MSD1												**Source: 412875-001**
Bromide	0.193	15	15	14.5	16.7	mg/L	95	110	14.1	80-120	20	
Chloride	63.7	100	100	165	167	mg/L	101	103	1.2	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.08	9.34	mg/L	101	103	2.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	10.2	11.1	mg/L	111	121	8.5	80-120	20	M
Sulfate	14.2	50	50	62.3	61.8	mg/L	96	95	0.8	80-120	20	

QCBatchID: QC1211870	**Analyst:** wei	**Method:** SM 2540-C	
Matrix: Water	**Analyzed:** 03/01/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211870MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211870LCS1											
Total Dissolved Solids	1000		990		mg/L	99			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1211870DUP1						**Source: 412870-001**
Total Dissolved Solids	2060	2100	mg/L	1.9	5	

QCBatchID: QC1211969	**Analyst:** trinh	**Method:** SM 4500-P-B-5-E	
Matrix: Water	**Analyzed:** 03/04/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211969MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969LCS1											
Total Phosphorous as P	0.4		0.404		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.239		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211969MS1, QC1211969MSD1												**Source: 412876-001**
Total Phosphorous as P	0.024	0.8	0.8	0.892	0.896	mg/L	109	109	0.4	75-125	20	
Total Phosphorous as PO4	0.074	2.46	2.46	2.74	2.75	mg/L	108	109	0.4	75-125	20	

QCBatchID: QC1211972 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 03/05/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211972MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211972LCS1											
Ammonia, as Nitrogen	5		4.83		mg/L	97			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211972MS1, QC1211972MSD1												**Source: 412870-002**
Ammonia, as Nitrogen	ND	5	5	5.72	6.08	mg/L	114	122	6.1	80-120	20	M

QCBatchID: QC1211991	**Analyst:** trinh		**Method:** EPA 351.2		
Matrix: Water	**Analyzed:** 03/05/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1211991MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1211991MS1, QC1211991MSD1												**Source: 412842-006**
Total Kjeldahl Nitrogen	0.939	12.5	12.5	15	15	mg/L	112	112	0.0	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 412870				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@RinconConsultants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN N. NAVARRO

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
~~SMBRP-13~~						X	X	X	X	PD
MCWP-MW10	2.27.19	1015	W	VARIOUS	VARIOUS	X	X	X	X	
CCPE	2.27.19	1050	W	1	1	X	X	X	X	
~~MBCMW-9~~						X	X	X	X	PD
~~SMBRP-7B~~						X	X	X	X	PD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Rincon / ENV. SCI.	2.27.19 / 1315
[1] Received By:			Enthalpy	2/27/19 1315
[2] Relinquished By:			Enthalpy	2/27/19 1515
[2] Received By:		Carina Racuya	EA	2.27.19 1530
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly / Semi-Annual

Date Received: 2/27/19

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2.27.19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly - Surface Water
15-01587

Lab Request: 415083
Report Date: 05/17/2019
Date Received: 05/08/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
415083-001	N-001
415083-002	N-002
415083-003	N-003
415083-004	N-004
415083-005	L-001
415083-006	L-002
415083-007	L-003
415083-008	L-004
415083-009	L-005
415083-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:00 **Site:**
Sample #: 415083-001 **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	05/09/19	05/09/19 22:45	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	05/09/19	05/09/19 22:45	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**0.054 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.198**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.607**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**1.0**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**100**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:15 **Site:**
Sample #: 415083-002 **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	05/09/19	05/09/19 23:12	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	05/09/19	05/09/19 23:12	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.105**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.322**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**6.3**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**650**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:30 **Site:**
Sample #: 415083-003 **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	05/09/19	05/09/19 23:39	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	05/09/19	05/09/19 23:39	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.060**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.184**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**1.0**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**770**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 10:20 **Site:**
Sample #: 415083-004 **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	05/09/19	05/10/19 00:06	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	05/09/19	05/10/19 00:06	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.152**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.466**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**<1**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**870**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 12:00 **Site:**
Sample #: 415083-005 **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.30 J**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	**0.16**	1	0.012	0.1	mg/L	05/09/19	05/11/19 09:24	JP	T5
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/09/19	05/10/19 00:33	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**0.295 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.253**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.776**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**30**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**2000**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 12:35 **Site:**
Sample #: 415083-006 **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.27 J**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201861
Nitrate, as Nitrogen	**0.36**	1	0.012	0.1	mg/L	05/09/19	05/11/19 09:52	JP	T5
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	05/09/19	05/10/19 09:33	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**0.266 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.255**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.782**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**29**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 12:10 **Site:**
Sample #: 415083-007 **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.55**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1201861		
Nitrate, as Nitrogen	**0.15**	1	0.012	0.1	mg/L	05/09/19	05/11/19 10:19	JP	T5
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	05/09/19	05/10/19 10:00	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1201879		
Total Kjeldahl Nitrogen	**0.548**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1201922		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1202067		
Total Phosphorous as P	**0.245**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.751**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1201779		
Fecal Coliform	**30**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:45 **Site:**
Sample #: 415083-008 **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.37 J**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1201861		
Nitrate, as Nitrogen	**0.06 J**	1	0.012	0.1	mg/L	05/09/19	05/11/19 05:44	JP	J,T5
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	05/09/19	05/10/19 10:27	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1201879		
Total Kjeldahl Nitrogen	**0.370 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1201922		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1202067		
Total Phosphorous as P	**0.153**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.469**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1201779		
Fecal Coliform	**61**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 12:20 **Site:**
Sample #: 415083-009 **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.21 J**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201861
Nitrate, as Nitrogen	**0.20**	1	0.012	0.1	mg/L	05/09/19	05/10/19 12:15	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	05/09/19	05/10/19 11:21	JP	D2
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**0.208 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.242**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.742**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**56**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	CO	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 05/08/2019 11:40 **Site:**
Sample #: 415083-010 **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**3.70**	1	0.04	0.5	mg/L		05/16/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201861
Nitrate, as Nitrogen	**0.07 J**	1	0.012	0.1	mg/L	05/09/19	05/11/19 08:57	JP	J,T5
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	05/09/19	05/10/19 10:54	JP	D2
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201879
Total Kjeldahl Nitrogen	**3.7**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.631**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**1.935**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**1300**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

QCBatchID: QC1201861 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201861MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201861LCS1											
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.81		mg/L	98			90-110		
Nitrate, as NO3	40		39.0		mg/L	98			90-110		
Nitrite, as Nitrogen	9.15		9.31		mg/L	102			90-110		
Sulfate	50		48.0		mg/L	96			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201861MS1, QC1201861MSD1												**Source: 415124-001**
Chloride	12.5	100	100	114	113	mg/L	102	101	0.9	80-120	20	
Nitrate, as Nitrogen	1.59	9.03	9.03	10.3	10.3	mg/L	96	96	0.0	80-120	20	
Nitrate, as NO3	7.06	40	40	45.5	45.6	mg/L	96	96	0.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.14	9.23	mg/L	100	101	1.0	80-120	20	
Sulfate	18.7	50	50	66.3	66.9	mg/L	95	96	0.9	80-120	20	
QC1201861MS2, QC1201861MSD2												**Source: 415124-002**
Chloride	12.0	100	100	118	113	mg/L	106	101	4.3	80-120	20	
Nitrate, as Nitrogen	1.03	9.03	9.03	9.63	9.73	mg/L	95	96	1.0	80-120	20	
Nitrate, as NO3	4.58	40	40	42.6	43.1	mg/L	95	96	1.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.85	9.19	mg/L	108	100	6.9	80-120	20	
Sulfate	12.2	50	50	59.1	59.7	mg/L	94	95	1.0	80-120	20	

QCBatchID: QC1201879 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201879MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201879LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201879MS1, QC1201879MSD1												**Source: 415083-007**
Total Kjeldahl Nitrogen	0.548	12.5	12.5	12	12	mg/L	92	92	0.0	80-120	20	

QCBatchID: QC1201922 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 05/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201922MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201922LCS1											
Ammonia, as Nitrogen	5		5.09		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201922MS1, QC1201922MSD1												**Source: 415086-001**
Ammonia, as Nitrogen	0.043	5	5	5.66	5.67	mg/L	112	113	0.2	80-120	20	

QCBatchID: QC1202067 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 05/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202067MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202067LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.23		1.278		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202067MS1, QC1202067MSD1												**Source: 415081-001**
Total Phosphorous as P	1.800	0.8	0.8	2.54	2.54	mg/L	93	93	0.0	75-125	20	
Total Phosphorous as PO4	5.52	2.46	2.46	7.77	7.79	mg/L	91	92	0.3	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 415083				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4485	Global ID:	
Cell:		Sampled By:	Jaime McClain

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus, Organic Nitrogen	Test Instructions / Comments
N-001	5/8/19	1100	water	4		X	X	X	
N-002	5/8/19	1115				X	X	X	
N-003	5/8/19	1130				X	X	X	
N-004	5/8/19	1020				X	X	X	
L-001	5/8/19	1200				X	X	X	
L-002	5/8/19	1235				X	X	X	
L-003	5/8/19	1210				X	X	X	
L-004	5/8/19	1145				X	X	X	
L-005	5/8/19	1220				X	X	X	
L-006	5/8/19	1140				X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jaime McClain	Rincon consultants	5/8/19 / 1:28
[1] Received By:		Kevin Nguyen	Enthalpy	5/8/19 1330
[2] Relinquished By:			Enthalpy	5/8/19 1635
[2] Received By:		Heathermadden	EA	05/08/19 1635
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Malibu - Quarterly / Semi Annual

Date Received: 5/8/19

Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 1 [ ] No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 13.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 0.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 05/08/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly - Ground Water
15-01587

Lab Request: 415118
Report Date: 05/17/2019
Date Received: 05/09/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
415118-001	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/09/2019 12:15	**Site:**			
Sample #:	**415118-001**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.10 J**	1	0.04	0.5	mg/L		05/17/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.56**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	05/14/19	05/14/19	EC	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201854
Boron	**0.600**	1	0.03	0.05	mg/L	05/10/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201861
Chloride	**176**	1	0.086	1	mg/L	05/09/19	05/10/19 14:30	JP	
Nitrate + Nitrite, as Nitrogen	**1.46**	1	0.018	0.1	mg/L	05/09/19	05/10/19 14:30	JP	
Nitrate, as Nitrogen	**1.46**	1	0.012	0.1	mg/L	05/09/19	05/10/19 14:30	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/09/19	05/10/19 14:30	JP	
Sulfate	**458**	10	0.77	10	mg/L	05/09/19	05/11/19 05:17	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.099 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201835
Color	ND	1	5	5	Color Unit		05/09/19 18:50	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201837
Turbidity	**10**	1	0.074	0.1	NTU		05/09/19 18:50	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201836
Odor Threshold	ND	1	1	1	T.O.N		05/09/19 18:50	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201935
Total Dissolved Solids	**1270**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201907
Total Suspended Solids	**10.9**	1.05	0.525	0.525	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201863
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/10/19 11:12	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201944
pH	**7.56**	1			pH Units	05/10/19 07:13	05/10/19 07:13	CM	T2
Temp. at Time of pH Measurement	**7.8**	1			°C	05/10/19 07:13	05/10/19 07:13	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202119
Total Phosphorous as P	**0.177**	1	0.01	0.02	mg/L	05/17/19	05/17/19	TP	
Total Phosphorous as PO4	**0.543**	1	0.03	0.06	mg/L	05/17/19	05/17/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201870
BOD	ND	1	1.5	3	mg/L	05/10/19	05/10/19 07:13	TP	
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1202113
Total Organic Carbon (TOC)	**1.94**	1	0.091	1	mg/L		05/16/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.66**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201829
Fecal Coliform	**<1**	1			MPN/100ml	05/09/19 15:28	05/10/19	LH	
Total Coliform	**130**	1			MPN/100ml	05/09/19 15:28	05/10/19	LH	

QCBatchID: QC1201827 **Analyst:** wei **Method:** SM 5540-C

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201827MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201827LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201827MS1, QC1201827MSD1												**Source: 415081-001**
MBAS	0.040	1	1	1.0	1.0	mg/L	96	96	0.0	75-125	20	

QCBatchID:	**QC1201835**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	05/09/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201835DUP1						**Source: 415118-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1201836**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	05/09/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201836DUP1						**Source: 415118-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1201837**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	05/09/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201837DUP1						**Source: 415118-001**
Turbidity	10	10	NTU	0.0	20	

QCBatchID: QC1201854 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201854MB1					
Boron	ND	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.004	0.01	
Lead	ND	mg/L	0.005	0.01	
Nickel	ND	mg/L	0.003	0.01	
Silver	ND	mg/L	0.003	0.005	
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201854LCS1											
Boron	2		1.76		mg/L	88			85-115		
Cadmium	2		1.91		mg/L	96			85-115		
Chromium	2		1.79		mg/L	90			85-115		
Copper	2		1.81		mg/L	91			85-115		
Lead	2		1.84		mg/L	92			85-115		
Nickel	2		1.87		mg/L	94			85-115		
Silver	2		1.86		mg/L	93			85-115		
Zinc	2		1.94		mg/L	97			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201854MS1												**Source: 415118-001**
Boron	0.600	1		1.63		mg/L	103			75-125		
Cadmium	ND	1		0.933		mg/L	93			75-125		
Chromium	0.004	1		0.936		mg/L	93			75-125		
Copper	0.020	1		0.930		mg/L	91			75-125		
Lead	ND	1		0.832		mg/L	83			75-125		
Nickel	0.004	1		0.835		mg/L	83			75-125		
Silver	ND	1		1.08		mg/L	108			75-125		
Zinc	0.042	1		0.847		mg/L	81			75-125		

QCBatchID: QC1201861 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201861MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201861LCS1											
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.81		mg/L	98			90-110		
Nitrate, as NO3	40		39.0		mg/L	98			90-110		
Nitrite, as Nitrogen	9.15		9.31		mg/L	102			90-110		
Sulfate	50		48.0		mg/L	96			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201861MS1, QC1201861MSD1												**Source: 415124-001**
Chloride	12.5	100	100	114	113	mg/L	102	101	0.9	80-120	20	
Nitrate, as Nitrogen	1.59	9.03	9.03	10.3	10.3	mg/L	96	96	0.0	80-120	20	
Nitrate, as NO3	7.06	40	40	45.5	45.6	mg/L	96	96	0.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.14	9.23	mg/L	100	101	1.0	80-120	20	
Sulfate	18.7	50	50	66.3	66.9	mg/L	95	96	0.9	80-120	20	
QC1201861MS2, QC1201861MSD2												**Source: 415124-002**
Chloride	12.0	100	100	118	113	mg/L	106	101	4.3	80-120	20	
Nitrate, as Nitrogen	1.03	9.03	9.03	9.63	9.73	mg/L	95	96	1.0	80-120	20	
Nitrate, as NO3	4.58	40	40	42.6	43.1	mg/L	95	96	1.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.85	9.19	mg/L	108	100	6.9	80-120	20	
Sulfate	12.2	50	50	59.1	59.7	mg/L	94	95	1.0	80-120	20	

QCBatchID: QC1201863	**Analyst:** wei		**Method:** SM 4500-Cl		
Matrix: Water	**Analyzed:** 05/10/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201863MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201863LCS1											
Chlorine, Total Residual	1		0.98		mg/L	98			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201863DUP1						**Source: 415124-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1201870**	**Analyst:**	cmorales	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	05/10/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201870MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201870LCS1											
BOD	198		176		mg/L	89			84.6-115.4		

QCBatchID: QC1201873 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201873MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201873LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201873MS1, QC1201873MSD1												**Source: 415081-001**
Total Kjeldahl Nitrogen	0.215	12.5	12.5	12	12	mg/L	94	94	0.0	80-120	20	

QCBatchID: QC1201907	**Analyst:** trinh		**Method:** SM 2540-D		
Matrix: Water	**Analyzed:** 05/11/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201907MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201907DUP1						**Source: 414983-004**
Total Suspended Solids	856	860	mg/L	0.5	5	

QCBatchID: QC1201921 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 05/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201921MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201921LCS1											
Ammonia, as Nitrogen	5		5.06		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201921MS1, QC1201921MSD1												**Source: 415042-001**
Ammonia, as Nitrogen	ND	5	5	5.90	5.90	mg/L	118	118	0.0	80-120	20	

QCBatchID: QC1201935 **Analyst:** npham **Method:** SM 2540-C

Matrix: Water **Analyzed:** 05/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201935MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201935LCS1											
Total Dissolved Solids	1000		970		mg/L	97			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201935DUP1						**Source: 415129-001**
Total Dissolved Solids	2050	2000	mg/L	2.5	5	

QCBatchID:	**QC1201944**	**Analyst:**	cmorales	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	05/10/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201944DUP1						**Source: 415118-001**
pH	7.56	7.60	pH Units	0.5	20	
Temp. at Time of pH Measurement	7.8	7.8	°C	0.0	20	

QCBatchID: QC1202008	**Analyst:** npham	**Method:** EPA 1664A	
Matrix: Water	**Analyzed:** 05/14/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202008MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1202008LCS1, QC1202008LCSD1											
Non-Polar Oil and Grease	20	20	17.3	16.3	mg/L	87	82	6	64-132	34	
Total Oil and Grease	40	40	33.7	35.3	mg/L	84	88	5	78-114	18	

QCBatchID: QC1202113 **Analyst:** wei **Method:** SM 5310B

Matrix: Water **Analyzed:** 05/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202113MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202113LCS1											
Total Organic Carbon (TOC)	10		10.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202113MS1, QC1202113MSD1												**Source: 415289-002**
Total Organic Carbon (TOC)	12.8	20	20	33.4	33.9	mg/L	103	106	1.5	80-120	20	

QCBatchID: QC1202119 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 05/17/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202119MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202119LCS1											
Total Phosphorous as P	0.4		0.410		mg/L	103			80-120		
Total Phosphorous as PO4	1.23		1.257		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202119MS1, QC1202119MSD1												**Source: 415118-001**
Total Phosphorous as P	0.177	0.4	0.4	0.589	0.590	mg/L	103	103	0.2	75-125	20	
Total Phosphorous as PO4	0.543	1.23	1.23	1.806	1.809	mg/L	103	103	0.2	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 415/19	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:	KBrtalik@RinconConsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	180N. ASHWOOD AVE
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN, N. NAVARRO

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	X	PD
SMBRP-9						X	X	X	X	X	X	X	X	PD
~~SMBRP-11~~						X	X	X	X	X	X	X	X	PD
~~SMBRP-12~~						X	X	X	X	X	X	X	X	PD
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	PD
MCWP-MW04D	5.9.19	1215	W	13/VARIOUS	2,3,4	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	PD
MCWP-MW07D						X	X	X	X	X	X	X	X	PD
MCWP-MW09						X	X	X	X	X	X	X	X	PD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		NIKO NAVARRO	RINCON / ENVM. SCIENTIST	5/9/19 1315
[1] Received By:			Enthalpy	5/9/19 1315
[2] Relinquished By:			Enthalpy	5/9/19 1500
[2] Received By:			EA	05/09/19 1500
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Malibu - Quarterly/Semi Annual

Date Received: 5/9/19

Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 1 [ ] No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 9.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 2.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 05/09/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly - Ground Water
15-01587

Lab Request: 415081
Report Date: 05/17/2019
Date Received: 05/08/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
415081-001	LAMW-55
415081-002	SMBRP-9
415081-003	SMBRP-11
415081-004	SMBRP-12
415081-005	MCWP-MW04S
415081-006	MCWP-MW07S
415081-007	MCWP-MW07D
415081-008	MCWP-MW09

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 10:15	**Site:**			
Sample #:	**415081-001**	**Client Sample #:**	LAMW-55	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.22 J**	1	0.04	0.5	mg/L		05/17/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**6.40**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**2.9 J**	1.11	1.554	5.55	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.282**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**105**	1	0.086	1	mg/L	05/10/19	05/09/19 17:21	JP	
Nitrate + Nitrite, as Nitrogen	**6.19**	1	0.018	0.1	mg/L	05/10/19	05/09/19 17:21	JP	
Nitrate, as Nitrogen	**6.19**	1	0.012	0.1	mg/L	05/10/19	05/09/19 17:21	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 17:21	JP	
Sulfate	**95.2**	1	0.077	1	mg/L	05/10/19	05/09/19 17:21	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.215 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**18**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**570**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**21.9**	1.05	0.525	0.525	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.28**	1			pH Units	05/08/19 16:02	05/08/19 17:28	CM	T2
Temp. at Time of pH Measurement	**9.3**	1			°C	05/08/19 16:02	05/08/19 17:28	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**1.800**	5	0.05	0.1	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**5.52**	5	0.15	0.3	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	ND	1	1.5	3	mg/L	05/08/19	05/08/19 17:28	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**2.32**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.040**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**2.0**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**11.0**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 09:45	**Site:**			
Sample #:	**415081-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.09 J**	1	0.04	0.5	mg/L		05/17/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**12.8**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**1.7 J**	1.05	1.47	5.25	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.582**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**250**	10	0.86	10	mg/L	05/10/19	05/10/19 05:03	JP	
Nitrate + Nitrite, as Nitrogen	**12.7**	1	0.018	0.1	mg/L	05/10/19	05/09/19 17:48	JP	
Nitrate, as Nitrogen	**12.7**	1	0.012	0.1	mg/L	05/10/19	05/09/19 17:48	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 17:48	JP	
Sulfate	**370**	10	0.77	10	mg/L	05/10/19	05/10/19 05:03	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.086 J**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	J
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**160**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**1770**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**390**	5	2.5	2.5	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.21**	1			pH Units	05/08/19 16:02	05/08/19 17:53	CM	T2
Temp. at Time of pH Measurement	**8.8**	1			°C	05/08/19 16:02	05/08/19 17:53	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.052**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.159**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	ND	1	1.5	3	mg/L	05/08/19	05/08/19 17:53	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	ND	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.34**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**20**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**1700**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 11:00	**Site:**			
Sample #:	**415081-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.66**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**7.58**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**3.5 J**	1.05	1.47	5.25	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.506**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**264**	10	0.86	10	mg/L	05/10/19	05/10/19 05:30	JP	
Nitrate + Nitrite, as Nitrogen	**6.60**	1	0.018	0.1	mg/L	05/10/19	05/09/19 18:15	JP	
Nitrate, as Nitrogen	**6.54**	1	0.012	0.1	mg/L	05/10/19	05/09/19 18:15	JP	
Nitrite, as Nitrogen	**0.06 J**	1	0.018	0.1	mg/L	05/10/19	05/09/19 18:15	JP	J
Sulfate	**261**	10	0.77	10	mg/L	05/10/19	05/10/19 05:30	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.980**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**130**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**1400**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**287**	5	2.5	2.5	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	**0.49**	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**6.87**	1			pH Units	05/08/19 16:02	05/08/19 18:05	CM	T2
Temp. at Time of pH Measurement	**11.20**	1			°C	05/08/19 16:02	05/08/19 18:05	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	**0.324**	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.046**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.141**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	**12**	1	1.5	3	mg/L	05/08/19	05/08/19 18:05	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**5.94**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.38**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**260**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**580**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 13:30	**Site:**			
Sample #:	**415081-004**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**12.1**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**2.0 J**	1.25	1.75	6.25	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.581**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**364**	10	0.86	10	mg/L	05/10/19	05/10/19 05:57	JP	
Nitrate + Nitrite, as Nitrogen	**0.11**	1	0.018	0.1	mg/L	05/10/19	05/09/19 18:42	JP	
Nitrate, as Nitrogen	**0.11**	1	0.012	0.1	mg/L	05/10/19	05/09/19 18:42	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 18:42	JP	
Sulfate	**394**	10	0.77	10	mg/L	05/10/19	05/10/19 05:57	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**12**	5	0.26	2	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**160**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**1200**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**302**	5	2.5	2.5	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.02**	1			pH Units	05/08/19 16:02	05/08/19 18:02	CM	T2
Temp. at Time of pH Measurement	**16.1**	1			°C	05/08/19 16:02	05/08/19 18:02	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201921
Ammonia, as Nitrogen	**10.8**	5	0.05	0.5	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**2.50**	5	0.05	0.1	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**7.66**	5	0.15	0.3	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	**7**	1	1.5	3	mg/L	05/08/19	05/08/19 18:02	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**2.52**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**0.69**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**2000**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 11:05	**Site:**			
Sample #:	**415081-005**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.23 J**	1	0.04	0.5	mg/L		05/17/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**3.49**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1202008
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	05/14/19	05/14/19	EC	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1201789
Boron	**1.48**	1	0.03	0.05	mg/L	05/09/19	05/09/19	KLN	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201842
Chloride	**719**	10	0.86	10	mg/L	05/10/19	05/10/19 06:24	JP	
Nitrate + Nitrite, as Nitrogen	**2.95**	1	0.018	0.1	mg/L	05/10/19	05/09/19 19:09	JP	
Nitrate, as Nitrogen	**2.95**	1	0.012	0.1	mg/L	05/10/19	05/09/19 19:09	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 19:09	JP	
Sulfate	**2360**	50	3.85	50	mg/L	05/10/19	05/11/19 11:42	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.541**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1201784
Turbidity	**14**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1201936
Total Dissolved Solids	**5150**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1201906
Total Suspended Solids	**8.4**	1.05	0.525	0.525	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1201805
Chlorine, Total Residual	**0.10**	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1201943
pH	**7.35**	1			pH Units	05/08/19 16:02	05/08/19 18:30	CM	T2
Temp. at Time of pH Measurement	**9.4**	1			°C	05/08/19 16:02	05/08/19 18:30	CM	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	**0.310**	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.360**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**1.104**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1201775
BOD	ND	1	1.5	3	mg/L	05/08/19	05/08/19 18:30	WW	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**7.22**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1201827
MBAS	**0.069**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**<1**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**260**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 12:30	**Site:**			
Sample #:	**415081-006**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.58**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**4.88**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1202008
Total Oil and Grease	**1.8 J**	1.11	1.554	5.55	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1201789
Boron	**0.382**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1201842
Chloride	**204**	10	0.86	10	mg/L	05/10/19	05/10/19 06:51	JP	
Nitrate + Nitrite, as Nitrogen	**4.25**	1	0.018	0.1	mg/L	05/10/19	05/09/19 19:36	JP	
Nitrate, as Nitrogen	**4.25**	1	0.012	0.1	mg/L	05/10/19	05/09/19 19:36	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 19:36	JP	
Sulfate	**246**	10	0.77	10	mg/L	05/10/19	05/10/19 06:51	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.631**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1201784
Turbidity	**230**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1201936
Total Dissolved Solids	**1150**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1201906
Total Suspended Solids	**256**	5	2.5	2.5	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1201943
pH	**7.31**	1			pH Units	05/08/19 16:02	05/08/19 18:32	CM	T2
Temp. at Time of pH Measurement	**15.3**	1			°C	05/08/19 16:02	05/08/19 18:32	CM	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1201922
Ammonia, as Nitrogen	**0.052 J**	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1202067
Total Phosphorous as P	**0.391**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**1.199**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1201775
BOD	**2 J**	1	1.5	3	mg/L	05/08/19	05/08/19 18:32	WW	J,BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1201855
Total Organic Carbon (TOC)	ND	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1201827
MBAS	**0.21**	1	0.007	0.04	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1201779
Fecal Coliform	**280**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**550**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 12:20	**Site:**			
Sample #:	**415081-007**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.61**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**0.71**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	**2.2 J**	1.11	1.554	5.55	mg/L	05/14/19	05/14/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.062**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**6.33**	1	0.086	1	mg/L	05/10/19	05/13/19 18:02	JP	
Nitrate + Nitrite, as Nitrogen	**0.10**	1	0.018	0.1	mg/L	05/10/19	05/11/19 10:47	JP	T5
Nitrate, as Nitrogen	**0.10**	1	0.012	0.1	mg/L	05/10/19	05/11/19 10:47	JP	T5
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 21:51	JP	
Sulfate	**21.4**	1	0.077	1	mg/L	05/10/19	05/09/19 21:51	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**0.606**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**62**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**78.0**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**68.0**	2.86	1.43	1.43	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.50**	1			pH Units	05/08/19 16:02	05/08/19 18:34	CM	T2
Temp. at Time of pH Measurement	**14.5**	1			°C	05/08/19 16:02	05/08/19 18:34	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201922
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.041**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.126**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	**13**	1	1.5	3	mg/L	05/08/19	05/08/19 18:34	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**7.05**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**6.4**	12.5	0.0875	0.5	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**32**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**>2400**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	05/08/2019 13:15	**Site:**			
Sample #:	**415081-008**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.57**	1	0.04	0.5	mg/L		05/17/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.34**	1	0.03	0.5	mg/L		05/17/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1202008
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	05/14/19	05/14/19	EC	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1201789
Boron	**0.375**	1	0.03	0.05	mg/L	05/09/19	05/10/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1201842
Chloride	**399**	10	0.86	10	mg/L	05/10/19	05/10/19 09:06	JP	
Nitrate + Nitrite, as Nitrogen	**0.34**	1	0.018	0.1	mg/L	05/10/19	05/11/19 11:14	JP	T5
Nitrate, as Nitrogen	**0.34**	1	0.012	0.1	mg/L	05/10/19	05/11/19 11:14	JP	T5
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	05/10/19	05/09/19 22:18	JP	
Sulfate	**451**	10	0.77	10	mg/L	05/10/19	05/10/19 09:06	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1201873
Total Kjeldahl Nitrogen	**1.0**	1	0.052	0.4	mg/L	05/09/19	05/10/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1201782
Color	ND	1	5	5	Color Unit		05/08/19 17:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1201784
Turbidity	**9.5**	1	0.074	0.1	NTU		05/08/19 17:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1201783
Odor Threshold	ND	1	1	1	T.O.N		05/08/19 17:30	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1201936
Total Dissolved Solids	**1480**	2	20	20	mg/L	05/13/19	05/14/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1201906
Total Suspended Solids	**17.7**	1.05	0.525	0.525	mg/L	05/11/19	05/11/19	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1201805
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		05/08/19 18:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1201943
pH	**7.28**	1			pH Units	05/08/19 16:02	05/08/19 18:36	CM	T2
Temp. at Time of pH Measurement	**14.7**	1			°C	05/08/19 16:02	05/08/19 18:36	CM	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1201922
Ammonia, as Nitrogen	**0.430**	1	0.01	0.1	mg/L	05/10/19	05/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1202067
Total Phosphorous as P	**0.046**	1	0.01	0.02	mg/L	05/16/19	05/16/19	TP	
Total Phosphorous as PO4	**0.141**	1	0.03	0.06	mg/L	05/16/19	05/16/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1201775
BOD	**13**	1	1.5	3	mg/L	05/08/19	05/08/19 18:36	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1201855
Total Organic Carbon (TOC)	**4.32**	1	0.091	1	mg/L		05/09/19	WW	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1201827
MBAS	**2.4**	5	0.035	0.2	mg/L	05/09/19 10:30	05/09/19 20:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1201779
Fecal Coliform	**4.1**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	
Total Coliform	**360**	1			MPN/100ml	05/08/19 17:00	05/09/19	LH	

QCBatchID:	**QC1201775**	**Analyst:**	cmorales	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201775MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201775LCS1											
BOD	198		181		mg/L	91			84.6-115.4		

QCBatchID:	**QC1201782**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201782DUP1						**Source: 415081-006**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1201783**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201783DUP1						**Source: 415081-006**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1201784**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201784DUP1						**Source: 415081-006**
Turbidity	230	220	NTU	4.4	20	

QCBatchID: QC1201789 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201789MB1					
Boron	**0.034 J**	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	**0.009 J**	mg/L	0.004	0.01	
Lead	ND	mg/L	0.005	0.01	
Nickel	ND	mg/L	0.003	0.01	
Silver	ND	mg/L	0.003	0.005	
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201789LCS1											
Boron	2		1.93		mg/L	97			85-115		
Cadmium	2		1.83		mg/L	92			85-115		
Chromium	2		1.87		mg/L	94			85-115		
Copper	2		1.85		mg/L	93			85-115		
Lead	2		1.80		mg/L	90			85-115		
Nickel	2		1.77		mg/L	89			85-115		
Silver	2		1.80		mg/L	90			85-115		
Zinc	2		1.88		mg/L	94			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201789MS1												**Source: 415066-001**
Boron	15.6	1		17.9		mg/L	230			75-125		M
Cadmium	ND	1		0.940		mg/L	94			75-125		
Chromium	0.003	1		0.987		mg/L	98			75-125		
Copper	0.039	1		1.04		mg/L	100			75-125		
Lead	ND	1		0.897		mg/L	90			75-125		
Nickel	0.012	1		0.949		mg/L	94			75-125		
Silver	ND	1		0.944		mg/L	94			75-125		
Zinc	0.188	1		1.13		mg/L	94			75-125		
QC1201789MS2												**Source: 415070-001**
Boron	3.14	1		4.21		mg/L	107			75-125		
Cadmium	0.043	1		1.07		mg/L	103			75-125		
Chromium	0.097	1		1.10		mg/L	100			75-125		
Copper	ND	1		1.12		mg/L	112			75-125		
Lead	ND	1		0.955		mg/L	96			75-125		
Nickel	0.150	1		1.17		mg/L	102			75-125		
Silver	ND	1		0.987		mg/L	99			75-125		
Zinc	ND	1		1.27		mg/L	127			75-125		M

QCBatchID: QC1201805	**Analyst:** wei		**Method:** SM 4500-Cl		
Matrix: Water	**Analyzed:** 05/08/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201805MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201805LCS1											
Chlorine, Total Residual	1		1.06		mg/L	106			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201805DUP1						**Source: 415074-002**
Chlorine, Total Residual	10.3	10.3	mg/L	0.0	20	

QCBatchID: QC1201827 **Analyst:** wei **Method:** SM 5540-C

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201827MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201827LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201827MS1, QC1201827MSD1												**Source: 415081-001**
MBAS	0.040	1	1	1.0	1.0	mg/L	96	96	0.0	75-125	20	

QCBatchID: QC1201842 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201842MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1201842LCS1											
Chloride	100		104		mg/L	104			90-110		
Nitrate, as Nitrogen	9.03		9.04		mg/L	100			90-110		
Nitrite, as Nitrogen	9.15		9.32		mg/L	102			90-110		
Sulfate	50		49.1		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1201842MS1, QC1201842MSD1												**Source: 415081-001**
Chloride	105	100	100	202	205	mg/L	97	100	1.5	80-120	20	
Nitrate, as Nitrogen	6.19	9.03	9.03	15.3	15.1	mg/L	101	99	1.3	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.55	9.45	mg/L	104	103	1.1	80-120	20	
Sulfate	95.2	50	50	144	141	mg/L	98	92	2.1	80-120	20	

QCBatchID: QC1201855 **Analyst:** wei **Method:** SM 5310B

Matrix: Water **Analyzed:** 05/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201855MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	0.3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201855LCS1											
Total Organic Carbon (TOC)	10		9.62		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201855MS1, QC1201855MSD1												**Source: 414912-001**
Total Organic Carbon (TOC)	5.99	20	20	24.4	25.1	mg/L	92	96	2.8	80-120	20	

QCBatchID: QC1201873 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 05/10/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201873MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201873LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201873MS1, QC1201873MSD1												**Source: 415081-001**
Total Kjeldahl Nitrogen	0.215	12.5	12.5	12	12	mg/L	94	94	0.0	80-120	20	

QCBatchID: QC1201906	**Analyst:** trinh		**Method:** SM 2540-D		
Matrix: Water	**Analyzed:** 05/11/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201906MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201906DUP1						**Source: 414982-003**
Total Suspended Solids	325	326	mg/L	0.3	5	

QCBatchID: QC1201921 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 05/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201921MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201921LCS1											
Ammonia, as Nitrogen	5		5.06		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201921MS1, QC1201921MSD1												**Source: 415042-001**
Ammonia, as Nitrogen	ND	5	5	5.90	5.90	mg/L	118	118	0.0	80-120	20	

QCBatchID: QC1201922 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 05/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201922MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201922LCS1											
Ammonia, as Nitrogen	5		5.09		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201922MS1, QC1201922MSD1												**Source: 415086-001**
Ammonia, as Nitrogen	0.043	5	5	5.66	5.67	mg/L	112	113	0.2	80-120	20	

QCBatchID: QC1201936 **Analyst:** npham **Method:** SM 2540-C

Matrix: Water **Analyzed:** 05/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1201936MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1201936LCS1											
Total Dissolved Solids	1000		1000		mg/L	100			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201936DUP1						**Source: 415081-005**
Total Dissolved Solids	5150	4950	mg/L	4.0	5	

QCBatchID:	QC1201943	**Analyst:**	cmorales	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	05/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1201943DUP1						**Source: 414986-002**
pH	7.67	7.66	pH Units	0.1	20	
Temp. at Time of pH Measurement	15.1	15.1	°C	0.0	20	
QC1201943DUP2						**Source: 415081-008**
pH	7.28	7.27	pH Units	0.1	20	
Temp. at Time of pH Measurement	14.7	14.7	°C	0.0	20	

QCBatchID: QC1202008 **Analyst:** npham **Method:** EPA 1664A

Matrix: Water **Analyzed:** 05/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202008MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1202008LCS1, QC1202008LCSD1											
Non-Polar Oil and Grease	20	20	17.3	16.3	mg/L	87	82	6	64-132	34	
Total Oil and Grease	40	40	33.7	35.3	mg/L	84	88	5	78-114	18	

QCBatchID: QC1202067 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 05/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1202067MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202067LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.23		1.278		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1202067MS1, QC1202067MSD1												**Source: 415081-001**
Total Phosphorous as P	1.800	0.8	0.8	2.54	2.54	mg/L	93	93	0.0	75-125	20	
Total Phosphorous as PO4	5.52	2.46	2.46	7.77	7.79	mg/L	91	92	0.3	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 415081	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBRTALIK@RinconConsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	180 N. ASHWOOD
	Ventura, CA 93003		VENTURA CA.
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN N. NAVARRO

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
LAMW-5S	5.8.19	1015	W	Poly/Glass	VARIOUS	X	X	X	X	X	X	X	X	
SMBRP-9	5.8.19	0945				X	X	X	X	X	X	X	X	
SMBRP-11	5.8.19	1100				X	X	X	X	X	X	X	X	
SMBRP-12	5.8.19	~~15~~ 1330				X	X	X	X	X	X	X	X	
MCWP-MW04S	5.8.19	1105				X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	DD
MCWP-MW07S	5.8.19	1230	W	Poly/Glass	VARIOUS	X	X	X	X	X	X	X	X	
MCWP-MW07D	5.8.19	1220				X	X	X	X	X	X	X	X	
MCWP-MW09	5.8.19	1315				X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	Rincon/ENV. SCI.	5.8.19 / 1345
[1] Received By:		Kevin Wan	Enthalpy	5/8/19 1345
[2] Relinquished By:		Ken S	Enthalpy	5/8/19 1635
[2] Received By:		Catherman	EA	05/08/19 1635
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu - Quarterly / Semi Annual

Date Received: 5/8/19 Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 1 [ ] No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 13.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 0.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 05/08/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual
Ground Water
15-01587

Final report

Lab Request: 418338
Report Date: 12/02/2019
Date Received: 08/14/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
418338-001	MCWP-MW075
418338-002	MCWP-MW07D
418338-003	SMBRP-12
418338-004	MCWP-MW09

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:30	**Site:**			
Sample #:	**418338-001**	**Client Sample #:**	MCWP-MW075	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.019**	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.06 J**	1	0.04	0.5	mg/L		08/26/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**3.22**	1	0.03	0.5	mg/L		08/26/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.432**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**100**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**2.36**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**92.9**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.110**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**3.71**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**195**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**1950**	20	66	200	ug/L		08/15/19	JP	
Antimony	**1.44**	1	0.228	0.5	ug/L		08/19/19	JP	
Arsenic	**6.34**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**51.6**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	50	8.4	25	ug/L		08/21/19	JP	D2
Cadmium	**0.193 J**	1	0.157	0.2	ug/L		08/19/19	JP	J
Chromium	**19.4 J**	50	5.9	50	ug/L		08/21/19	JP	B1,J
Copper	**12.9**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**2.99**	1	0.084	0.5	ug/L		08/19/19	JP	
Nickel	**21.4**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**2.38**	1	0.172	2	ug/L		08/19/19	JP	
Silver	**0.0310 J**	1	0.0083	0.2	ug/L		08/19/19	JP	J
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**23.9**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**208**	20	1.72	20	mg/L	08/14/19	08/15/19 22:18	JP	
Nitrate + Nitrite, as Nitrogen	**2.83**	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:30	JP	
Nitrate, as Nitrogen	**2.83**	1	0.012	0.1	mg/L	08/14/19	08/15/19 16:30	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:30	JP	
Sulfate	**179**	20	1.54	20	mg/L	08/14/19	08/15/19 22:18	JP	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water	**Client:** Rincon Consultants - Ventura			**Collector:** Client	
Sampled: 08/14/2019 08:30	**Site:**				
Sample #: **418338-001**	**Client Sample #:** MCWP-MW075			**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	ND	1	0.303	2	ug/L		08/21/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	**0.31 J**	1	0.22	0.5	ug/L		08/15/19	LZ	J
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.9**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*108*	*70-145*	
Dibromofluoromethane (SUR)	*102*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 08:30 **Site:**
Sample #: 418338-001 **Client Sample #:** MCWP-MW075 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-135*	
4-Bromofluorobenzene (SUR)	*108*	*70-135*	
Dibromofluoromethane (SUR)	*102*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**180**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**380**	1	0.38	5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.19**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**1080**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**82.0**	2.86	1.43	1.43	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:30	**Site:**			
Sample #:	**418338-001**	**Client Sample #:**	MCWP-MW075	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.512**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**6.94**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**0.329**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.389 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**0.065**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.199**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**6.01**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	ND	1	0.027	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**35**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 08:45 **Site:**
Sample #: 418338-002 **Client Sample #:** MCWP-MW07D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.003 J**	1	0.002	0.01	mg/L		10/31/19	SLL	J
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.09 J**	1	0.04	0.5	mg/L		08/26/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**0.360 J**	1	0.03	0.5	mg/L		08/26/19	SLL	J
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.597**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**225**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**0.099**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**151**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.493**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**3.49**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**267**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**40.4**	1	3.3	10	ug/L		08/15/19	JP	
Antimony	**0.703**	1	0.228	0.5	ug/L		08/19/19	JP	
Arsenic	**2.63**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**50.0**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/21/19	JP	D2
Cadmium	**0.576**	1	0.157	0.2	ug/L		08/19/19	JP	
Chromium	**3.20 J**	10	1.18	10	ug/L		08/21/19	JP	B1,J
Copper	**5.71**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**0.130 J**	1	0.084	0.5	ug/L		08/19/19	JP	J
Nickel	**11.2**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**7.22**	1	0.172	2	ug/L		08/19/19	JP	
Silver	ND	1	0.0083	0.2	ug/L		08/19/19	JP	
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**7.11**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**349**	20	1.72	20	mg/L	08/14/19	08/15/19 22:38	JP	
Nitrate + Nitrite, as Nitrogen	**0.10**	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:51	JP	
Nitrate, as Nitrogen	**0.10**	1	0.012	0.1	mg/L	08/14/19	08/15/19 16:51	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:51	JP	
Sulfate	**641**	20	1.54	20	mg/L	08/14/19	08/15/19 22:38	JP	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/14/2019 08:45	**Site:**				
Sample #: **418338-002**	**Client Sample #:** MCWP-MW07D		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	ND	2	0.606	4	ug/L		08/21/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	**1.1**	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.9**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*104*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/14/2019 08:45	**Site:**				
Sample #: 418338-002	**Client Sample #:** MCWP-MW07D		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-135*	
4-Bromofluorobenzene (SUR)	*104*	*70-135*	
Dibromofluoromethane (SUR)	*105*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**0.71**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**450**	1	0.38	5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**0.09**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**2240**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**1.6**	1.11	0.555	0.555	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:45	**Site:**			
Sample #:	**418338-002**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	**0.0030 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.435**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**6.89**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**0.172**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.260 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**0.126**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.386**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**9.45**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.041**	1	0.027	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**7.4**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-003 **Client Sample #:** SMBRP-12 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022 Prep Method: None							QCBatchID:		
Chromium Trivalent	ND	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.51**	1	0.04	0.5	mg/L		08/26/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**6.90**	1	0.03	0.5	mg/L		08/26/19	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1694M Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1205434
Boron	**0.929**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**101**	1	0.093	0.1	mg/L		08/21/19	KLN	
Iron	**1.49**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**75.0**	1	0.046	0.1	mg/L		08/21/19	KLN	
Manganese	**0.409**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**29.4**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**512**	1	0.119	0.5	mg/L		08/21/19	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1205425
Aluminum	**58.6**	1	3.3	10	ug/L		08/15/19	JP	
Antimony	**0.479 J**	1	0.228	0.5	ug/L		08/19/19	JP	J
Arsenic	**16.5**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**44.0**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/21/19	JP	D2
Cadmium	**0.314**	1	0.157	0.2	ug/L		08/19/19	JP	
Chromium	ND	10	1.18	10	ug/L		08/21/19	JP	D2
Copper	**3.70**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**0.140 J**	1	0.084	0.5	ug/L		08/19/19	JP	J
Nickel	**18.2**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**3.32**	1	0.172	2	ug/L		08/19/19	JP	
Silver	ND	1	0.0083	0.2	ug/L		08/19/19	JP	
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**6.93**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205464
Chloride	**401**	20	1.72	20	mg/L	08/14/19	08/15/19 22:59	JP	
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 17:11	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/14/19	08/15/19 17:11	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 17:11	JP	
Sulfate	**356**	20	1.54	20	mg/L	08/14/19	08/15/19 22:59	JP	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: **418338-003** **Client Sample #:** SMBRP-12 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	**7.6**	2	0.606	4	ug/L		08/21/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.5**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*107*	*70-145*	
Dibromofluoromethane (SUR)	*102*	*70-145*	
Toluene-d8 (SUR)	*107*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-003 **Client Sample #:** SMBRP-12 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-135*	
4-Bromofluorobenzene (SUR)	*107*	*70-135*	
Dibromofluoromethane (SUR)	*102*	*70-135*	
Toluene-d8 (SUR)	*107*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**15**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**300**	2.5	0.95	12.5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.30**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**1740**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**17.1**	1.11	0.555	0.555	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 12:30	**Site:**			
Sample #:	**418338-003**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.558**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**6.98**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**6.39**	5	0.05	0.5	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**6.9**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**1.740**	5	0.05	0.1	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**5.34**	5	0.15	0.3	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**11.0**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.16**	1	0.027	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**1.0**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-004 **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.006 J**	1	0.002	0.01	mg/L		10/31/19	SLL	J
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.05 J**	1	0.04	0.5	mg/L		08/26/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.00**	1	0.03	0.5	mg/L		08/26/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.874**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**68.8**	1	0.093	0.1	mg/L		08/21/19	KLN	
Iron	**0.694**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**68.7**	1	0.046	0.1	mg/L		08/21/19	KLN	
Manganese	**0.118**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**14.4**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**672**	1	0.119	0.5	mg/L		08/21/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**145**	1	3.3	10	ug/L		08/15/19	JP	
Antimony	**0.318 J**	1	0.228	0.5	ug/L		08/19/19	JP	J
Arsenic	**4.11**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**13.7**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/21/19	JP	D2
Cadmium	ND	1	0.157	0.2	ug/L		08/19/19	JP	
Chromium	**6.19 J**	10	1.18	10	ug/L		08/21/19	JP	B1,J
Copper	**5.03**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**0.088 J**	1	0.084	0.5	ug/L		08/19/19	JP	J
Nickel	**8.08**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**4.44**	1	0.172	2	ug/L		08/19/19	JP	
Silver	ND	1	0.0083	0.2	ug/L		08/19/19	JP	
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**8.22**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**509**	20	1.72	20	mg/L	08/14/19	08/15/19 23:19	CO	
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 18:12	CO	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/14/19	08/15/19 18:12	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 18:12	CO	
Sulfate	**485**	20	1.54	20	mg/L	08/14/19	08/15/19 23:19	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: **418338-004** **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	ND	2	0.606	4	ug/L		08/21/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.8**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*91*	*70-145*	
4-Bromofluorobenzene (SUR)	*106*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-004 **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*91*	*70-135*	
4-Bromofluorobenzene (SUR)	*106*	*70-135*	
Dibromofluoromethane (SUR)	*105*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**0.92**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**300**	2.5	0.95	12.5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.30**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**1900**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**6.7**	1.11	0.555	0.555	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 12:30	**Site:**			
Sample #:	**418338-004**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.576**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**7.17**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**1.95**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**2.0**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**0.233**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.714**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**3.94**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.080**	1	0.027	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**4.1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

QCBatchID: QC1205401 **Analyst:** lucy **Method:** EPA 624

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205401MB1					
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,2-Dibromoethane	ND	ug/L	0.043	0.5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	1	
Acrolein	ND	ug/L	3.3	5	
Acrylonitrile	ND	ug/L	1.6	2	
Benzene	ND	ug/L	0.071	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Toluene	ND	ug/L	0.078	0.5	
Trichloroethene	ND	ug/L	0.078	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401LCS1											
1,1-Dichloroethene	50		50		ug/L	100			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		53		ug/L	106			60-133		
Toluene	50		54		ug/L	108			59-139		
Trichloroethene	50		53		ug/L	106			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401MS1, QC1205401MSD1												**Source: 418235-001**
1,1-Dichloroethene	ND	50	50	56	54	ug/L	112	108	3.6	59-172	22	
Benzene	ND	50	50	53	51	ug/L	106	102	3.8	62-137	24	
Chlorobenzene	ND	50	50	55	54	ug/L	110	108	1.8	60-133	21	
Toluene	ND	50	50	56	56	ug/L	112	112	0.0	59-139	21	
Trichloroethene	ND	50	50	58	57	ug/L	116	114	1.7	66-142	21	

QCBatchID: QC1205402	**Analyst:** lucy	**Method:** EPA 524.2	
Matrix: Water	**Analyzed:** 08/14/2019	**Instrument:** VOA-MS (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.37	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.22	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.25	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.2	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.45	0.5	
1,1-Dichloroethane	ND	ug/L	0.24	0.5	
1,1-Dichloroethene	ND	ug/L	0.31	0.5	
1,1-Dichloropropene	ND	ug/L	0.38	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.35	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.52	0.5	
1,2-Dibromoethane	ND	ug/L	0.33	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.37	0.5	
1,2-Dichloroethane	ND	ug/L	0.2	0.5	
1,2-Dichloropropane	ND	ug/L	0.35	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.45	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.44	0.5	
1,3-Dichloropropane	ND	ug/L	0.17	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.34	0.5	
2,2-Dichloropropane	ND	ug/L	0.39	0.5	
2-Chlorotoluene	ND	ug/L	0.36	0.5	
4-Chlorotoluene	ND	ug/L	0.34	0.5	
4-Isopropyltoluene	ND	ug/L	0.41	0.5	
Benzene	ND	ug/L	0.27	0.5	
Bromobenzene	ND	ug/L	0.26	0.5	
Bromochloromethane	ND	ug/L	0.26	0.5	
Bromodichloromethane	ND	ug/L	0.27	0.5	
Bromoform	ND	ug/L	0.34	0.5	
Bromomethane	ND	ug/L	0.42	0.5	
Carbon Tetrachloride	ND	ug/L	0.26	0.5	
Chlorobenzene	ND	ug/L	0.19	0.5	
Chlorodibromomethane	ND	ug/L	0.36	0.5	
Chloroethane	ND	ug/L	0.47	0.5	
Chloroform	ND	ug/L	0.17	0.5	
Chloromethane	ND	ug/L	0.45	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.22	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.34	0.5	
Dibromomethane	ND	ug/L	0.3	0.5	
Dichlorodifluoromethane	ND	ug/L	0.45	0.5	
Ethylbenzene	ND	ug/L	0.2	0.5	
Hexachlorobutadiene	ND	ug/L	0.22	0.5	
Isopropylbenzene	ND	ug/L	0.42	0.5	
m and p-Xylene	ND	ug/L	0.51	0.5	
Methylene chloride	**3.6**	ug/L	0.5	0.5	B
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.1	0.5	
Naphthalene	ND	ug/L	0.1	0.5	
N-butylbenzene	ND	ug/L	0.49	0.5	
N-propylbenzene	ND	ug/L	0.35	0.5	
o-Xylene	ND	ug/L	0.32	0.5	
Sec-butylbenzene	ND	ug/L	0.39	0.5	
Styrene	ND	ug/L	0.29	0.5	

QCBatchID: QC1205402 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
Tert-butylbenzene	ND	ug/L	0.39	0.5	
Tetrachloroethene	ND	ug/L	0.4	0.5	
Toluene	ND	ug/L	0.3	0.5	
Total Trihalomethanes (THM's)	ND	ug/L	0.31	1	
trans-1,2-dichloroethene	ND	ug/L	0.21	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.24	0.5	
Trichloroethene	ND	ug/L	0.44	0.5	
Trichlorofluoromethane	ND	ug/L	0.3	0.5	
Vinyl Chloride	ND	ug/L	0.3	0.5	
Xylenes (Total)	ND	ug/L	0.51	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402LCS1											
1,1-Dichloroethene	50		49		ug/L	98			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		51		ug/L	102			60-133		
Methyl-t-butyl Ether (MTBE)	50		46		ug/L	92			62-137		
Toluene	50		52		ug/L	104			59-139		
Trichloroethene	50		52		ug/L	104			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402MS1												**Source: 418264-003**
1,1-Dichloroethene	ND	50		55		ug/L	110			59-172		
Benzene	ND	50		52		ug/L	104			62-137		
Chlorobenzene	ND	50		55		ug/L	110			60-133		
Methyl-t-butyl Ether (MTBE)	ND	50		49		ug/L	98			62-137		
Toluene	ND	50		57		ug/L	114			59-139		
Trichloroethene	ND	50		58		ug/L	116			66-142		

QCBatchID: QC1205425 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205425MB1					
Aluminum	**3.38 J**	ug/L	3.3	10	
Antimony	ND	ug/L	1.3	2	
Arsenic	ND	ug/L	0.31	2	
Barium	ND	ug/L	0.61	5	
Beryllium	ND	ug/L	0.31	1	
Cadmium	ND	ug/L	0.074	1	
Chromium	**0.655 J**	ug/L	0.16	2	
Copper	**0.130 J**	ug/L	0.12	2	
Lead	ND	ug/L	0.76	5	
Nickel	ND	ug/L	0.59	5	
Selenium	ND	ug/L	0.39	2	
Silver	ND	ug/L	0.56	5	
Thallium	ND	ug/L	0.18	1	
Zinc	ND	ug/L	2.7	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205425LCS1											
Aluminum	50		51.9		ug/L	104			85-115		
Antimony	50		53.5		ug/L	107			85-115		
Arsenic	50		46.7		ug/L	93			85-115		
Barium	50		48.5		ug/L	97			85-115		
Beryllium	50		44.2		ug/L	88			85-115		
Cadmium	50		48.4		ug/L	97			85-115		
Chromium	50		47.1		ug/L	94			85-115		
Copper	50		46.1		ug/L	92			85-115		
Lead	50		49.2		ug/L	98			85-115		
Nickel	50		46.5		ug/L	93			85-115		
Selenium	50		44.2		ug/L	88			85-115		
Silver	50		47.0		ug/L	94			85-115		
Thallium	50		46.7		ug/L	93			85-115		
Zinc	50		48.3		ug/L	97			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205425MS1												**Source: 418305-001**
Aluminum	ND	50		70.1		ug/L	140			70-130		M
Antimony	ND	50		55.9		ug/L	112			70-130		
Arsenic	1.52	50		47.8		ug/L	93			70-130		
Barium	23.6	50		73.1		ug/L	99			70-130		
Beryllium	ND	50		97.6		ug/L	195			70-130		M
Cadmium	ND	50		47.3		ug/L	95			70-130		
Chromium	3.66	50		59.7		ug/L	112			70-130		
Copper	1.48	50		43.1		ug/L	83			70-130		
Lead	ND	50		48.7		ug/L	97			70-130		
Nickel	2.14	50		45.3		ug/L	86			70-130		
Selenium	0.624	50		42.7		ug/L	84			70-130		
Silver	ND	50		44.1		ug/L	88			70-130		
Thallium	ND	50		46.7		ug/L	93			70-130		
Zinc	ND	50		46.9		ug/L	94			70-130		

QCBatchID: QC1205425 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205425MS2												**Source: 418309-001**
Aluminum	ND	50		60.5		ug/L	121			70-130		
Antimony	ND	50		56.2		ug/L	112			70-130		
Arsenic	1.20	50		46.7		ug/L	91			70-130		
Barium	63.1	50		112		ug/L	98			70-130		
Beryllium	ND	50		91.8		ug/L	184			70-130		M
Cadmium	ND	50		47.6		ug/L	95			70-130		
Chromium	7.22	50		64.9		ug/L	115			70-130		
Copper	19.3	50		60.6		ug/L	83			70-130		
Lead	ND	50		52.2		ug/L	104			70-130		
Nickel	3.24	50		47.6		ug/L	89			70-130		
Selenium	1.16	50		44.1		ug/L	86			70-130		
Silver	ND	50		44.4		ug/L	89			70-130		
Thallium	ND	50		49.8		ug/L	100			70-130		
Zinc	4.17	50		47.7		ug/L	87			70-130		

QCBatchID: QC1205434 **Analyst:** sbailey-woo **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205434MB1					
Boron	ND	mg/L	0.03	0.05	
Calcium	ND	mg/L	0.093	0.1	
Copper	ND	mg/L	0.008	0.01	
Iron	ND	mg/L	0.019	0.02	
Magnesium	ND	mg/L	0.046	0.1	
Manganese	ND	mg/L	0.006	0.01	
Potassium	ND	mg/L	0.167	0.5	
Sodium	ND	mg/L	0.119	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434LCS1											
Boron	2		2.04		mg/L	102			85-115		
Calcium	20		22.7		mg/L	114			85-115		
Copper	2		2.21		mg/L	111			85-115		
Iron	2		2.22		mg/L	111			85-115		
Magnesium	20		22.5		mg/L	113			85-115		
Manganese	2		2.08		mg/L	104			85-115		
Potassium	38		39.0		mg/L	103			85-115		
Sodium	20		21.4		mg/L	107			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434MS1												**Source: 418266-001**
Boron	0.346	1		1.37		mg/L	102			75-125		
Calcium	79.4	20		112		mg/L	163			75-125		M
Copper	0.032	1		1.07		mg/L	104			75-125		
Iron	0.452	1		1.56		mg/L	111			75-125		
Magnesium	26.6	20		52.2		mg/L	128			75-125		M
Manganese	0.016	1		1.03		mg/L	101			75-125		
Potassium	5.19	29		37.1		mg/L	110			75-125		
Sodium	85.9	20		116		mg/L	151			75-125		M

QCBatchID:	**QC1205447**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	08/15/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205447DUP1						**Source: 418353-005**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1205448**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	08/15/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205448DUP1						**Source: 418353-005**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1205449**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	08/15/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205449DUP1						**Source: 418353-005**
Turbidity	0.52	0.51	NTU	1.9	20	

QCBatchID: QC1205464 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205464MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrite, as NO2	ND	mg/L	0.06	0.33	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205464LCS1											
Chloride	100		103		mg/L	103			90-110		
Nitrate, as Nitrogen	9.03		9.06		mg/L	100			90-110		
Nitrate, as NO3	40		40.2		mg/L	101			90-110		
Nitrite, as Nitrogen	9.15		9.98		mg/L	109			90-110		
Nitrite, as NO2	30		32.7		mg/L	109			90-110		
Sulfate	50		47.1		mg/L	94			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205464MS1, QC1205464MSD1												**Source: 418322-002**
Chloride	126	100	100	218	218	mg/L	92	92	0.0	80-120	20	
Nitrate, as Nitrogen	2.50	9.03	9.03	11.6	11.7	mg/L	101	102	0.9	80-120	20	
Nitrate, as NO3	11.1	40	40	51.5	51.8	mg/L	101	102	0.6	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.70	9.74	mg/L	106	106	0.4	80-120	20	
Nitrite, as NO2	ND	30	30	31.8	32.0	mg/L	106	107	0.6	80-120	20	
Sulfate	3.27	50	50	52.2	52.2	mg/L	98	98	0.0	80-120	20	
QC1205464MS2, QC1205464MSD2												**Source: 418322-004**
Chloride	133	100	100	223	223	mg/L	90	90	0.0	80-120	20	
Nitrate, as Nitrogen	2.77	9.03	9.03	11.9	11.9	mg/L	101	101	0.0	80-120	20	
Nitrate, as NO3	12.3	40	40	52.6	52.5	mg/L	101	101	0.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.67	9.90	mg/L	106	108	2.4	80-120	20	
Nitrite, as NO2	ND	30	30	31.7	32.5	mg/L	106	108	2.5	80-120	20	
Sulfate	4.35	50	50	53.5	53.8	mg/L	98	99	0.6	80-120	20	

QCBatchID: QC1205468	**Analyst:** wei		**Method:** SM 4500-Cl		
Matrix: Water	**Analyzed:** 08/15/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205468MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205468LCS1											
Chlorine, Total Residual	1		0.97		mg/L	97			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205468DUP1						**Source: 418348-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	QC1205502	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	08/16/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205502DUP1						**Source: 418347-001**
pH	6.70	6.71	pH Units	0.1	20	
Temp. at Time of pH Measurement	14.8	15	°C	1.3	20	

QCBatchID: QC1205522 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result		Units	MDL	RDL	Notes
QC1205522MB1						
Antimony	ND		ug/L	1.3	2	
Arsenic	ND		ug/L	0.31	2	
Beryllium	ND		ug/L	0.31	1	
Boron	ND		ug/L	0.95	5	
Cadmium	ND		ug/L	0.074	1	
Chromium	**0.577**	**J**	ug/L	0.16	2	
Copper	ND		ug/L	0.12	2	
Iron	**9.53**	**J**	ug/L	8.2	25	
Lead	ND		ug/L	0.76	5	
Manganese	**0.338**	**J**	ug/L	0.16	10	
Nickel	**0.618**	**J**	ug/L	0.59	5	
Selenium	ND		ug/L	0.39	2	
Silver	ND		ug/L	0.56	5	
Thallium	ND		ug/L	0.18	1	
Zinc	ND		ug/L	2.7	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1205522LCS1											
Antimony	50		55.2		ug/L	110			85-115		
Arsenic	50		49.1		ug/L	98			85-115		
Beryllium	50		46.2		ug/L	92			85-115		
Boron	50		45.9		ug/L	92			85-115		
Cadmium	50		51.5		ug/L	103			85-115		
Chromium	50		53.6		ug/L	107			85-115		
Copper	50		50.6		ug/L	101			85-115		
Iron	50		53.1		ug/L	106			85-115		
Lead	50		54.2		ug/L	108			85-115		
Manganese	50		51.3		ug/L	103			85-115		
Nickel	50		54.1		ug/L	108			85-115		
Selenium	50		49.2		ug/L	98			85-115		
Silver	50		51.0		ug/L	102			85-115		
Thallium	50		52.7		ug/L	105			85-115		
Zinc	50		55.6		ug/L	111			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1205522MS1												**Source: 418401-001**
Antimony	ND	0.05		0.0583		mg/L	117			75-125		
Arsenic	0.00133	0.05		0.0537		mg/L	105			75-125		
Beryllium	ND	0.05		0.0568		mg/L	113			75-125		
Boron	0.241	0.05		0.287		mg/L	92			75-125		
Cadmium	ND	0.05		0.0508		mg/L	102			75-125		
Chromium	0.00448	0.05		0.0497		mg/L	90			75-125		
Copper	0.148	0.05		0.193		mg/L	90			75-125		
Iron	0.277	0.05		0.302		mg/L	50			75-125		NC
Lead	0.00126	0.05		0.0512		mg/L	100			75-125		
Manganese	0.00239	0.05		0.0504		mg/L	96			75-125		
Nickel	0.00623	0.05		0.0526		mg/L	93			75-125		
Selenium	0.00152	0.05		0.0606		mg/L	118			75-125		

QCBatchID: QC1205522 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205522MS1												**Source: 418401-001**
Silver	ND	0.05		0.0470		mg/L	94			75-125		
Thallium	ND	0.05		0.0492		mg/L	98			75-125		
Zinc	0.0271	0.05		0.0751		mg/L	96			75-125		
QC1205522MS2												**Source: 418366-001**
Antimony	ND	50		57.8		ug/L	116			70-130		
Arsenic	1.31	50		50.6		ug/L	99			70-130		
Beryllium	ND	50		52.6		ug/L	105			70-130		
Boron	253	50		298		ug/L	90			70-130		
Cadmium	ND	50		50.7		ug/L	101			70-130		
Chromium	1.64	50		53.1		ug/L	103			70-130		
Copper	1.34	50		46.6		ug/L	91			70-130		
Iron	422	50		506		ug/L	168			70-130		NC
Lead	ND	50		52.2		ug/L	104			70-130		
Manganese	127	50		193		ug/L	132			70-130		M
Nickel	4.32	50		57.9		ug/L	107			70-130		
Selenium	1.02	50		48.0		ug/L	94			70-130		
Silver	ND	50		47.4		ug/L	95			70-130		
Thallium	ND	50		52.7		ug/L	105			70-130		
Zinc	4.71	50		52.7		ug/L	96			70-130		

QCBatchID: QC1205551	**Analyst:** trinh		**Method:** SM 4500-NH3-G		
Matrix: Water	**Analyzed:** 08/17/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205551MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205551LCS1											
Total Kjeldahl Nitrogen	2.5		2.4		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205551MS1, QC1205551MSD1												**Source: 418345-001**
Total Kjeldahl Nitrogen	0.068	12.5	12.5	11	11	mg/L	87	87	0.0	80-120	20	

QCBatchID: QC1205559 **Analyst:** sbailey-woo **Method:** EPA 245.1

Matrix: Water **Analyzed:** 08/18/2019 **Instrument:** AAICP-HG1

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205559MB1					
Mercury	ND	ug/L	0.094	0.2	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205559LCS1											
Mercury	5		5.17		ug/L	103			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205559MS1, QC1205559MSD1												**Source: 418338-001**
Mercury	ND	5	5	4.94	4.51	ug/L	99	90	9.1	75-125	20	

QCBatchID: QC1205564 **Analyst:** trinh **Method:** SM 5540-C

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205564MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205564LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205564MS1, QC1205564MSD1												**Source: 418307-001**
MBAS	0.026	1	1	0.99	0.97	mg/L	96	94	2.0	75-125	20	

QCBatchID: QC1205572 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205572MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205572LCS1											
Total Organic Carbon (TOC)	10		9.42		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205572MS1, QC1205572MSD1												**Source: 418424-001**
Total Organic Carbon (TOC)	6.55	80	80	88.7	89.5	mg/L	103	104	0.9	80-120	20	

QCBatchID:	**QC1205579**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	08/16/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205579MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205579DUP1						**Source: 418369-001**
Total Suspended Solids	ND	ND	mg/L	0.0	5	

QCBatchID: QC1205609 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 08/19/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205609MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205609LCS1											
Total Dissolved Solids	95		98.0		mg/L	103			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205609DUP1						**Source: 418338-002**
Total Dissolved Solids	2240	2160	mg/L	3.6	5	

QCBatchID: QC1205643 **Analyst:** trinh **Method:** SM 4500-CN-E

Matrix: Water **Analyzed:** 08/19/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205643MB1					
Cyanide	ND	mg/L	0.0022	0.01	
Cyanide, Amenable to Chlorination	ND	mg/L	0.0022	0.01	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643LCS1											
Cyanide	0.2		0.19		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643MS1, QC1205643MSD1												**Source: 418338-002**
Cyanide	0.0030	0.2	0.2	0.21	0.21	mg/L	104	104	0.0	80-120	20	

QCBatchID: QC1205646 **Analyst:** npham **Method:** SM 4500-F-C

Matrix: Water **Analyzed:** 08/20/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205646MB1					
Fluoride	ND	mg/L	0.003	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205646LCS1											
Fluoride	1		1.01		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205646MS1, QC1205646MSD1												**Source: 418277-001**
Fluoride	0.284	1	1	1.33	1.34	mg/L	105	106	0.7	75-125	20	

QCBatchID: QC1205707	**Analyst:** trinh		**Method:** SM 4500-P-B-5-E		
Matrix: Water	**Analyzed:** 08/20/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205707MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.3		1.28		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707MS1, QC1205707MSD1												**Source: 418276-001**
Total Phosphorous as P	0.251	0.4	0.4	0.837	0.835	mg/L	147	146	0.2	75-125	20	M
Total Phosphorous as PO4	0.770	1.3	1.3	2.57	2.56	mg/L	139	138	0.4	75-125	20	M

QCBatchID: QC1205713 **Analyst:** sbailey-woo **Method:** EPA 314.0

Matrix: Water **Analyzed:** 08/21/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205713MB1					
Perchlorate	ND	ug/L	0.303	4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205713LCS1											
Perchlorate	50		52		ug/L	104			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205713MS1, QC1205713MSD1												**Source: 418590-001**
Perchlorate	1.7	50	50	49	49	ug/L	95	95	0.0	80-120	20	

QCBatchID: QC1205741	**Analyst:** trinh		**Method:** SM 4500-NH3-G		
Matrix: Water	**Analyzed:** 08/22/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205741MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205741LCS1											
Ammonia, as Nitrogen	2.5		2.38		mg/L	95			-		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205741MS1, QC1205741MSD1												**Source: 418338-001**
Ammonia, as Nitrogen	0.329	2.5	2.5	2.61	2.58	mg/L	91	90	1.2			

QCBatchID: QC1205767 **Analyst:** wei **Method:** SM 2320-B

Matrix: Water **Analyzed:** 08/23/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205767MB1					
Bicarbonate (HCO3)	ND	mg/L	5	5	
Carbonate (CO3)	ND	mg/L	5	5	
Hydroxide (OH)	ND	mg/L	5	5	
Total Alkalinity (as CaCO3)	ND	mg/L	0.38	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205767LCS1											
Total Alkalinity (as CaCO3)	100		95		mg/L	95			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205767DUP1						**Source: 418340-001**
Bicarbonate (HCO3)	1400	1400	mg/L	0.0	20	
Carbonate (CO3)	ND	ND	mg/L	0.0	20	
Hydroxide (OH)	ND	ND	mg/L	0.0	20	
Total Alkalinity (as CaCO3)	1200	1200	mg/L	0.0	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 418338	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 3	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
c/o Montrose Environmental Group	FI. = Food Liquid FS = Food Solid L = Liquid	4 = H_2SO_4 5 = NaOH 6 = Other
1 Park Plaza, Suite 1000, Irvine, CA 92614	PP = Pure Product S = Solid SeaW = Sea Water	
	SW = Swab W = Water WP = Wipe O = Other	

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Q	EPA 200.7 (B), 200.8 (see list), 245.	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA	SM 4500-CN E; TKN; NH3; Phospho	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; C	SM 2330B Corrosivity; EPA 218.6 Cr	EPA 1664A Oil & Grease; EPA 1625	EPA 1613 TCDD only; EPA 608 LL; E	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
NN	~~SMBRP-13~~ MCWP-MW07S	8/14/19	830	W			X	X	X	X	X	X	X	X	X	X	
NN	~~MCWP-MW06~~ MCWP-MW07D	8/14/19	845	W			X	X	X	X	X	X	X	X	X	X	
NN	~~MCWP-MW10~~ SMBRP-12	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
NN	~~CCRE~~ MCWP-MW09	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
	~~SMBRP-78~~	~~8/ /19~~		W			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X	NN
	~~MCWP-MW05~~	~~8/ /19~~		W			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	NN

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, Inc.	8.14.19 / 1500
1 Received By:			Enthalpy	8/14/19 1500
2 Relinquished By:			Enthalpy	8/14/19 1808
2 Received By:			EA	8/14/19 1808
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 410338	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 2 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
c/o Montrose Environmental Group	FL = Food Liquid FS = Food Solid L = Liquid	4 = H_2SO_4 5 = NaOH 6 = Other
1 Park Plaza, Suite 1000, Irvine, CA 92614	PP = Pure Product S = Solid SeaW = Sea Water	
	SW = Swab W = Water WP = Wipe O = Other	

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Ura	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0	EPA 504.1 EDB, DBCP; EPA 525.2 (s	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Dio	EPA 547 Glyphosate; EPA 552.2 HA	Test Instructions / Comments
NN ~~SMBRP-13~~ MCWP-MW075	8/14/19	830	W			X	X	X	X	X	X	X	X	X	X	
NN ~~MCWP-MW06~~ MCWP-MW07D	8/14/19	845	W			X	X	X	X	X	X	X	X	X	X	
NN ~~MCWP-MW10~~ SMBRP-12	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
NN ~~CCPE~~ MCWP-MW09	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
~~SMBRP-78~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
~~MCWP-MW05~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, inc.	8.14.19 1500
1 Received By:			Enthalpy	8/14/19 1500
2 Relinquished By:			Enthalpy	8/14/19 1808
2 Received By:		Christine Castro	EPA	8/14/19 1808
3 Relinquished By:				
3 Received By:				

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 418338	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
c/o Montrose Environmental Group	FL = Food Liquid FS = Food Solid L = Liquid	4 = H_2SO_4 5 = NaOH 6 = Other
1 Park Plaza, Suite 1000, Irvine, CA 92614	PP = Pure Product S = Solid SeaW = Sea Water	
ENTHALPY analytical, inc.	SW = Swab W = Water WP = Wipe O = Other	

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list	EPA 608 Pest/PCBs	Test Instructions / Comments
NN ~~SMBRP-13~~ MCWP-MW075	8/14/19	830	W			X	X	
NN ~~MCWP-MW06~~ MCWP-MW07D	8/14/19	845	W			X	X	
NN MCWP-MW10 SMBRP-12	8/14/19	1230	W			X	X	
NN ~~CCPE~~ MCWP-MW09	8/14/19	1230	W			X	X	
~~SMBRP-78~~	~~8/ /19~~		W			X	X	NN
~~MCWP-MW65~~	~~8/ /19~~		W			X	X	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Nico Navarro	Rincon Consultants, Inc.	8.14.19 1500
[1] Received By:			Enthalpy	8/14/19 1500
[2] Relinquished By:			Enthalpy	8/14/19 1808
[2] Received By:		Christine Castro	EA	8/14/19 1808
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: _____

Date Received: 8/14/19 Sampler's Name Present: ☐ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 7 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 11.4 #2: 13.6 #3: 12.5 #4: 10.3

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 10.2 #2: 13.0 #3: 9.4 #4: 5.3

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?			

Section 5 Explanations/Comments

(sample/cooler) 10.0/8.5, 14.0/0.6, 1.4/0.8, 1.8/1.4

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/14/19

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	9H16051
Project:	418338
Attn:	Albert Vargas
Client:	Enthalpy Analytical - Orange 931 West Barkley Avenue Orange, CA 92868

Report Date:	11/27/2019
Received Date:	8/16/2019
Turnaround Time:	Normal
Phones:	(714) 771-6900
Fax:	(714) 771-9933
P.O. #:	1038449
Billing Code:	

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-CA #04229CA • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Albert Vargas,

Enclosed are the results of analyses for samples received 8/16/19 with the Chain-of-Custody document. The samples were received in good condition, at 5.3 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina Giancola
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
MCWP-MW075 (418338-001)	Client	9H16051-01	Water	08/14/19 08:30	
MCWP-MW075 (418338-001) (Field Blank)	Client	9H16051-02	Water	08/14/19 08:30	
MCWP-MW07D (418338-002)	Client	9H16051-03	Water	08/14/19 08:45	
MCWP-MW07D (418338-002) (Field Blank)	Client	9H16051-04	Water	08/14/19 08:30	
SMBRP-12 (418338-003)	Client	9H16051-05	Water	08/14/19 12:30	
SMBRP-12 (418338-003) (Field Blank)	Client	9H16051-06	Water	08/14/19 12:30	
MCWP-MW09 (418338-004)	Client	9H16051-07	Water	08/14/19 12:30	
MCWP-MW09 (418338-004) (Field Blank)	Client	9H16051-08	Water	08/14/19 12:30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/27/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/27/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/27/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/27/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/27/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/27/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/27/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/27/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/27/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/27/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/27/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/27/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/27/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/27/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/27/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/27/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/27/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/27/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/27/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/27/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/27/19	
Benzidine	ND	3.7	10	ug/l	1	08/27/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/27/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/27/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/27/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/27/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/27/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/27/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/27/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/27/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/27/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/27/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/27/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/27/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/27/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/27/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/27/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/27/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/27/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/27/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/27/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/27/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/27/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/27/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/27/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/27/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/27/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/27/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/27/19	
Phenol	ND	0.16	1.0	ug/l	1	08/27/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/27/19	
Surrogate(s)							
2,4,6-Tribromophenol	*58%*	*Conc: 28.9*	*37-120*			*08/27/19*	
2-Fluorobiphenyl	*59%*	*Conc: 14.8*	*43-120*			*08/27/19*	
2-Fluorophenol	*39%*	*Conc: 19.4*	*31-100*			*08/27/19*	
Nitrobenzene-d5	*61%*	*Conc: 15.2*	*45-120*			*08/27/19*	
Phenol-d5	*25%*	*Conc: 12.3*	*15-100*			*08/27/19*	
Terphenyl-d14	*90%*	*Conc: 22.6*	*61-130*			*08/27/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*108%*	*Conc: 538*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*89%*	*Conc: 8.89*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*93%*	*Conc: 9.32*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.0090	0.10	ug/l	1	08/30/19	M-02
4,4´-DDE	ND	0.018	0.10	ug/l	1	08/30/19	M-02
4,4´-DDT	ND	0.013	0.10	ug/l	1	08/30/19	M-02
Aldrin	ND	0.0090	0.10	ug/l	1	08/30/19	M-02
alpha-BHC	ND	0.0080	0.10	ug/l	1	08/30/19	M-02
Aroclor 1016	ND	0.22	1.0	ug/l	1	08/30/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.84	1.0	ug/l	1	08/30/19	M-02
Aroclor 1232	ND	0.64	1.0	ug/l	1	08/30/19	M-02
Aroclor 1242	ND	0.70	1.0	ug/l	1	08/30/19	M-02
Aroclor 1248	ND	0.49	1.0	ug/l	1	08/30/19	M-02
Aroclor 1254	ND	0.68	1.0	ug/l	1	08/30/19	M-02
Aroclor 1260	ND	0.20	1.0	ug/l	1	08/30/19	M-02
beta-BHC	ND	0.015	0.10	ug/l	1	08/30/19	M-02
Chlordane (tech)	ND	0.66	1.0	ug/l	1	08/30/19	M-02
Chlorothalonil	ND	0.020	0.50	ug/l	1	08/30/19	M-02
delta-BHC	ND	0.010	0.10	ug/l	1	08/30/19	M-02
Dieldrin	ND	0.020	0.10	ug/l	1	08/30/19	M-02
Endosulfan I	ND	0.0090	0.10	ug/l	1	08/30/19	M-02
Endosulfan II	ND	0.0080	0.10	ug/l	1	08/30/19	M-02
Endosulfan sulfate	ND	0.013	0.10	ug/l	1	08/30/19	M-02
Endrin	ND	0.020	0.10	ug/l	1	08/30/19	M-02
Endrin aldehyde	ND	0.013	0.10	ug/l	1	08/30/19	M-02
gamma-BHC (Lindane)	ND	0.015	0.10	ug/l	1	08/30/19	M-02
Heptachlor	ND	0.0090	0.10	ug/l	1	08/30/19	M-02
Heptachlor epoxide	ND	0.011	0.10	ug/l	1	08/30/19	M-02
Hexachlorobenzene	ND	0.030	0.50	ug/l	1	08/30/19	M-02
Hexachlorocyclopentadiene	ND	0.14	0.50	ug/l	1	08/30/19	M-02
Methoxychlor	ND	0.044	0.10	ug/l	1	08/30/19	M-02
PCBs, Total	ND	0.49	5.0	ug/l	1	08/30/19	M-02
Propachlor	ND	0.10	0.50	ug/l	1	08/30/19	M-02
Toxaphene	ND	0.66	5.0	ug/l	1	08/30/19	M-02
Trifluralin	ND	0.030	0.10	ug/l	1	08/30/19	M-02
Surrogate(s)							
Decachlorobiphenyl	*86%*	*Conc: 0.858*	*70-130*			*08/30/19*	*M-02*
Tetrachloro-meta-xylene	*75%*	*Conc: 0.747*	*70-130*			*08/30/19*	*M-02*
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	18	200	ug/l	1	09/03/19	M-02
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 03:47	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 03:47	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*101%*	*Conc: 10.1*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.42**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	**7.7**	5.0	20	ng/l	1	08/29/19	J, M-02
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**5.0**	0.31	1.0	ng/l	1	10/01/19	
DEET	**0.65**	0.060	1.0	ng/l	1	10/01/19	J
Sucralose	**420**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.11	0.50	ug/l	1	09/07/19	M-02
Atrazine	ND	0.17	0.50	ug/l	1	09/07/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW075 (418338-001)
9H16051-01 (Water)

Sampled: 08/14/19 8:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.35	0.50	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)adipate	ND	0.52	10	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)phthalate	ND	5.3	10	ug/l	1	09/07/19	M-02
Bromacil	ND	0.19	2.5	ug/l	1	09/07/19	M-02
Butachlor	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Captan	ND	4.3	5.0	ug/l	1	09/07/19	M-02
Chlorpropham	ND	0.050	0.50	ug/l	1	09/07/19	M-02
Cyanazine	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Diazinon	ND	0.48	0.50	ug/l	1	09/07/19	M-02
Dimethoate	ND	0.12	1.0	ug/l	1	09/07/19	M-02
Diphenamid	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Disulfoton	ND	0.16	0.50	ug/l	1	09/07/19	M-02
EPTC	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Metolachlor	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Metribuzin	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Molinate	ND	0.20	0.50	ug/l	1	09/07/19	M-02
Prometon	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Prometryn	ND	0.18	0.50	ug/l	1	09/07/19	M-02
Simazine	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Terbacil	ND	2.8	10	ug/l	1	09/07/19	M-02
Thiobencarb	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Trithion	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*101%*	*Conc: 25.2*	*70-130*			*09/07/19*	*M-02*
Perylene-d12	*25%*	*Conc: 6.37*	*50-120*			*09/07/19*	*M-02, S-GC*
Triphenyl phosphate	*110%*	*Conc: 27.4*	*70-130*			*09/07/19*	*M-02*

Sample: MCWP-MW075 (418338-001) (Field Blank)
9H16051-02 (Water)

Sampled: 08/14/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 04:16	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 04:16	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/27/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/27/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/27/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/27/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/27/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/27/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/27/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/27/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/27/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/27/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/27/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/27/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/27/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/27/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/27/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/27/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/27/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/27/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/27/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/27/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/27/19	
Benzidine	ND	3.7	10	ug/l	1	08/27/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/27/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/27/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/27/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/27/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/27/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/27/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/27/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/27/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/27/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/27/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/27/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/27/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/27/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/27/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/27/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/27/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/27/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/27/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/27/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/27/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/27/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/27/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/27/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/27/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/27/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/27/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/27/19	
Phenol	ND	0.16	1.0	ug/l	1	08/27/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/27/19	
Surrogate(s)							
2,4,6-Tribromophenol	*71%*	*Conc: 35.4*	*37-120*			*08/27/19*	
2-Fluorobiphenyl	*71%*	*Conc: 17.7*	*43-120*			*08/27/19*	
2-Fluorophenol	*52%*	*Conc: 25.8*	*31-100*			*08/27/19*	
Nitrobenzene-d5	*72%*	*Conc: 17.9*	*45-120*			*08/27/19*	
Phenol-d5	*34%*	*Conc: 17.2*	*15-100*			*08/27/19*	
Terphenyl-d14	*90%*	*Conc: 22.6*	*61-130*			*08/27/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*105%*	*Conc: 523*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*82%*	*Conc: 8.19*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*90%*	*Conc: 9.02*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*104%*	*Conc: 0.104*	*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*89%*	*Conc: 0.0887*	*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	**1.6**	0.90	2.0	ug/l	1	08/23/19	J
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 04:45	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 04:45	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	**0.30**	0.28	1.0	ug/l	1	09/05/19	J
Surrogate(s)							
2-Bromobutyric acid	*111%*	*Conc: 11.1*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.053**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	**1.8**	0.50	2.0	ng/l	1	08/29/19	J
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**1.2**	0.31	1.0	ng/l	1	10/01/19	
DEET	**0.16**	0.060	1.0	ng/l	1	10/01/19	J
Sucralose	**590**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW07D (418338-002)
9H16051-03 (Water)

Sampled: 08/14/19 8:45 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*91%*	*Conc: 4.57*	*70-130*			*09/07/19*	
Perylene-d12	*85%*	*Conc: 4.25*	*50-120*			*09/07/19*	
Triphenyl phosphate	*115%*	*Conc: 5.74*	*70-130*			*09/07/19*	

Sample: MCWP-MW07D (418338-002) (Field Blank)
9H16051-04 (Water)

Sampled: 08/14/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 05:14	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 05:14	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/27/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/27/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/27/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/27/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/27/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/27/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/27/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/27/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/27/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/27/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/27/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/27/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/27/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/27/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/27/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/27/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/27/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/27/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/27/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/27/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/27/19	
Benzidine	ND	3.7	10	ug/l	1	08/27/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/27/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/27/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/27/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/27/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/27/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/27/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/27/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/27/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/27/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/27/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/27/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/27/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/27/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/27/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/27/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/27/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/27/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/27/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/27/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/27/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/27/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/27/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/27/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/27/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/27/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/27/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/27/19	
Phenol	ND	0.16	1.0	ug/l	1	08/27/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/27/19	
Surrogate(s)							
2,4,6-Tribromophenol	*67%*	*Conc: 35.1*	*37-120*			*08/27/19*	
2-Fluorobiphenyl	*68%*	*Conc: 17.9*	*43-120*			*08/27/19*	
2-Fluorophenol	*48%*	*Conc: 25.2*	*31-100*			*08/27/19*	
Nitrobenzene-d5	*69%*	*Conc: 18.2*	*45-120*			*08/27/19*	
Phenol-d5	*32%*	*Conc: 16.7*	*15-100*			*08/27/19*	
Terphenyl-d14	*89%*	*Conc: 23.3*	*61-130*			*08/27/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*93%*	*Conc: 463*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*91%*	*Conc: 9.09*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1582 **Instr:** GC08			**Prepared:** 08/28/19 08:22			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/31/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/31/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/31/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/31/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/31/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/31/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/31/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/31/19	
DCPA	ND	0.070	0.10	ug/l	1	08/31/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/31/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/31/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/31/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/31/19	
Picloram	ND	0.050	0.60	ug/l	1	08/31/19	
Surrogate(s)							
2,4-DCAA	*97%*	*Conc: 9.69*	*70-130*			*08/31/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*95% Conc: 0.0949*		*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*93% Conc: 0.0929*		*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 05:42	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 05:42	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*104%*	*Conc: 10.4*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	ND	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	08/29/19	
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**4.6**	0.31	1.0	ng/l	1	10/01/19	
DEET	**14**	0.060	1.0	ng/l	1	10/01/19	
Sucralose	**130**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: SMBRP-12 (418338-003)
9H16051-05 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*94%*	*Conc: 4.72*	*70-130*			*09/07/19*	
Perylene-d12	*77%*	*Conc: 3.86*	*50-120*			*09/07/19*	
Triphenyl phosphate	*119%*	*Conc: 5.96*	*70-130*			*09/07/19*	

Sample: SMBRP-12 (418338-003) (Field Blank)
9H16051-06 (Water)

Sampled: 08/14/19 12:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 06:11	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 06:11	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/27/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/27/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/27/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/27/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/27/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/27/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/27/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/27/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/27/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/27/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/27/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/27/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/27/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/27/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/27/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/27/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/27/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/27/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/27/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/27/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/27/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/27/19	
Benzidine	ND	3.7	10	ug/l	1	08/27/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/27/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/27/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/27/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/27/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/27/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/27/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/27/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/27/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/27/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/27/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H1170 **Instr:** GCMS06 **Prepared:** 08/21/19 09:04 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/27/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/27/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/27/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/27/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/27/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/27/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/27/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/27/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/27/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/27/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/27/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/27/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/27/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/27/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/27/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/27/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/27/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/27/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/27/19	
Phenol	ND	0.16	1.0	ug/l	1	08/27/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/27/19	
Surrogate(s)							
2,4,6-Tribromophenol	*72%*	*Conc: 35.9*	*37-120*			*08/27/19*	
2-Fluorobiphenyl	*76%*	*Conc: 18.9*	*43-120*			*08/27/19*	
2-Fluorophenol	*53%*	*Conc: 26.4*	*31-100*			*08/27/19*	
Nitrobenzene-d5	*77%*	*Conc: 19.3*	*45-120*			*08/27/19*	
Phenol-d5	*35%*	*Conc: 17.5*	*15-100*			*08/27/19*	
Terphenyl-d14	*94%*	*Conc: 23.5*	*61-130*			*08/27/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*108%*	*Conc: 542*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*87%*	*Conc: 8.66*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1582 **Instr:** GC08			**Prepared:** 08/28/19 08:22			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/31/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/31/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/31/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/31/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/31/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/31/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/31/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/31/19	
DCPA	ND	0.070	0.10	ug/l	1	08/31/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/31/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/31/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/31/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/31/19	
Picloram	ND	0.050	0.60	ug/l	1	08/31/19	
Surrogate(s)							
2,4-DCAA	*96%*	*Conc: 9.58*	*70-130*			*08/31/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*100% Conc: 0.0998*		*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*93% Conc: 0.0934*		*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 06:40	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 06:40	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*101%*	*Conc: 10.1*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	ND	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	08/29/19	
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**0.86**	0.31	1.0	ng/l	1	10/01/19	J
DEET	**0.22**	0.060	1.0	ng/l	1	10/01/19	J
Sucralose	**18**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Sample Results

(Continued)

Sample: MCWP-MW09 (418338-004)
9H16051-07 (Water)

Sampled: 08/14/19 12:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*100%*	*Conc: 5.00*	*70-130*			*09/07/19*	
Perylene-d12	*51%*	*Conc: 2.57*	*50-120*			*09/07/19*	
Triphenyl phosphate	*107%*	*Conc: 5.34*	*70-130*			*09/07/19*	

Sample: MCWP-MW09 (418338-004) (Field Blank)
9H16051-08 (Water)

Sampled: 08/14/19 12:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 07:09	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 07:09	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625											
Blank (W9H1170-BLK1)					**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.30	1.0	ug/l							
2,4-Dinitrophenol	ND	1.6	5.0	ug/l							
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	0.45	2.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.40	1.0	ug/l							
Anthracene	ND	0.34	1.0	ug/l							
Benzidine	ND	3.7	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.13	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	3.51	2.0	2.0	ug/l							B-06
Butyl benzyl phthalate	ND	0.18	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l							
Diethyl phthalate	ND	0.15	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.24	1.0	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
Blank (W9H1170-BLK1)					**Prepared: 08/21/19 Analyzed: 08/27/19**						
Di-n-octyl phthalate	ND	0.19	1.0	ug/l							
Fluoranthene	ND	0.22	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l							
Hexachloroethane	ND	0.52	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.19	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.16	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*35.6*			*ug/l*	*50.0*		*71*	*37-120*			
2-Fluorobiphenyl	*18.6*			*ug/l*	*25.0*		*74*	*43-120*			
2-Fluorophenol	*25.8*			*ug/l*	*50.0*		*52*	*31-100*			
Nitrobenzene-d5	*19.2*			*ug/l*	*25.0*		*77*	*45-120*			
Phenol-d5	*16.3*			*ug/l*	*50.0*		*33*	*15-100*			
Terphenyl-d14	*23.5*			*ug/l*	*25.0*		*94*	*61-130*			
LCS (W9H1170-BS1)					**Prepared: 08/21/19 Analyzed: 08/27/19**						
1,2,4-Trichlorobenzene	18.0	0.55	1.0	ug/l	25.0		72	44-130			
1,2-Dichlorobenzene	19.1	0.57	1.0	ug/l	25.0		76	44-120			
1,3-Dichlorobenzene	18.8	0.53	1.0	ug/l	25.0		75	42-120			
1,4-Dichlorobenzene	17.8	0.55	1.0	ug/l	25.0		71	42-120			
2,4,6-Trichlorophenol	19.8	0.22	1.0	ug/l	25.0		79	46-130			
2,4-Dichlorophenol	19.8	0.26	1.0	ug/l	25.0		79	45-130			
2,4-Dimethylphenol	18.0	0.30	1.0	ug/l	25.0		72	33-120			
2,4-Dinitrophenol	19.6	1.6	5.0	ug/l	25.0		79	36-163			
2,4-Dinitrotoluene	21.0	0.18	1.0	ug/l	25.0		84	58-130			
2,6-Dinitrotoluene	20.5	0.27	1.0	ug/l	25.0		82	50-130			
2-Chloronaphthalene	19.1	0.45	1.0	ug/l	25.0		77	43-130			
2-Chlorophenol	18.9	0.28	1.0	ug/l	25.0		75	44-120			
2-Methyl-4,6-dinitrophenol	19.0	1.0	1.0	ug/l	25.0		76	42-150			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
LCS (W9H1170-BS1)					**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
2-Nitrophenol	20.0	0.26	1.0	ug/l	25.0		80	41-130			
3,3'-Dichlorobenzidine	24.4	1.0	1.0	ug/l	25.0		97	18-143			
4-Bromophenyl phenyl ether	18.8	0.36	1.0	ug/l	25.0		75	53-130			
4-Chloro-3-methylphenol	20.6	0.23	1.0	ug/l	25.0		82	47-130			
4-Chlorophenyl phenyl ether	17.9	0.41	1.0	ug/l	25.0		72	44-130			
4-Nitrophenol	9.75	0.45	2.0	ug/l	25.0		39	24-100			
Acenaphthene	18.9	0.38	1.0	ug/l	25.0		75	47-130			
Acenaphthylene	20.2	0.40	1.0	ug/l	25.0		81	44-130			
Anthracene	21.0	0.34	1.0	ug/l	25.0		84	56-130			
Benzo (a) anthracene	22.8	0.19	1.0	ug/l	25.0		91	50-130			
Benzo (a) pyrene	21.2	0.13	1.0	ug/l	25.0		85	58-130			
Benzo (b) fluoranthene	24.7	0.14	1.0	ug/l	25.0		99	57-130			AN-IP
Benzo (g,h,i) perylene	21.0	0.10	1.0	ug/l	25.0		84	30-143			
Benzo (k) fluoranthene	21.8	0.22	1.0	ug/l	25.0		87	57-130			AN-IP
Bis(2-chloroethoxy)methane	18.3	0.25	1.0	ug/l	25.0		73	34-130			
Bis(2-chloroethyl)ether	18.6	0.27	1.0	ug/l	25.0		74	39-130			
Bis(2-chloroisopropyl)ether	19.9	0.38	1.0	ug/l	25.0		80	36-130			
Bis(2-ethylhexyl)phthalate	25.6	2.0	2.0	ug/l	25.0		103	44-130			
Butyl benzyl phthalate	24.0	0.18	1.0	ug/l	25.0		96	56-130			
Chrysene	23.5	0.19	1.0	ug/l	25.0		94	61-130			
Dibenzo (a,h) anthracene	22.3	0.080	1.0	ug/l	25.0		89	29-130			
Diethyl phthalate	18.8	0.15	1.0	ug/l	25.0		75	58-130			
Dimethyl phthalate	20.0	0.18	1.0	ug/l	25.0		80	50-130			
Di-n-butyl phthalate	23.6	0.24	1.0	ug/l	25.0		95	68-130			
Di-n-octyl phthalate	24.8	0.19	1.0	ug/l	25.0		99	41-130			
Fluoranthene	23.4	0.22	1.0	ug/l	25.0		94	61-130			
Fluorene	20.0	0.35	1.0	ug/l	25.0		80	59-130			
Hexachlorobenzene	18.4	0.49	1.0	ug/l	25.0		74	55-130			
Hexachlorobutadiene	21.0	0.47	1.0	ug/l	25.0		84	41-130			
Hexachlorocyclopentadiene	8.95	1.5	5.0	ug/l	25.0		36	6-120			
Hexachloroethane	17.6	0.52	1.0	ug/l	25.0		70	42-120			
Indeno (1,2,3-cd) pyrene	20.9	0.12	1.0	ug/l	25.0		83	42-130			
Isophorone	18.8	0.21	1.0	ug/l	25.0		75	36-130			
Naphthalene	19.3	0.49	1.0	ug/l	25.0		77	41-130			
Nitrobenzene	18.2	0.36	1.0	ug/l	25.0		73	44-130			
N-Nitrosodimethylamine	13.8	0.14	1.0	ug/l	25.0		55	7-120			
N-Nitrosodi-n-propylamine	19.4	0.26	1.0	ug/l	25.0		77	37-130			
N-Nitrosodiphenylamine	16.3	0.19	1.0	ug/l	25.0		65	42-120			
Pentachlorophenol	18.0	0.19	1.0	ug/l	25.0		72	43-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
LCS (W9H1170-BS1)					**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
Phenanthrene	20.9	0.32	1.0	ug/l	25.0		84	54-130			
Phenol	8.76	0.16	1.0	ug/l	25.0		35	17-100			
Pyrene	22.8	0.25	1.0	ug/l	25.0		91	55-130			
Surrogate(s)											
2,4,6-Tribromophenol	*38.1*			*ug/l*	*50.0*		*76*	*37-120*			
2-Fluorobiphenyl	*19.1*			*ug/l*	*25.0*		*76*	*43-120*			
2-Fluorophenol	*26.9*			*ug/l*	*50.0*		*54*	*31-100*			
Nitrobenzene-d5	*18.6*			*ug/l*	*25.0*		*75*	*45-120*			
Phenol-d5	*17.6*			*ug/l*	*50.0*		*35*	*15-100*			
Terphenyl-d14	*23.3*			*ug/l*	*25.0*		*93*	*61-130*			
Matrix Spike (W9H1170-MS1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
1,2,4-Trichlorobenzene	11.3	2.8	5.0	ug/l	25.0	ND	45	44-120			M-04
1,2-Dichlorobenzene	14.9	2.8	5.0	ug/l	25.0	ND	60	46-130			M-04
1,3-Dichlorobenzene	10.8	2.6	5.0	ug/l	25.0	ND	43	39-120			M-04
1,4-Dichlorobenzene	11.6	2.8	5.0	ug/l	25.0	ND	46	40-120			M-04
2,4,6-Trichlorophenol	1.98	1.1	5.0	ug/l	25.0	ND	8	37-130			J, M-04, MS-05
2,4-Dichlorophenol	ND	1.3	5.0	ug/l	25.0	ND		43-130			M-04, MS-05
2,4-Dimethylphenol	ND	1.5	5.0	ug/l	25.0	ND		32-130			M-04, MS-05
2,4-Dinitrophenol	23.3	7.9	25	ug/l	25.0	ND	93	18-156			J, M-04
2,4-Dinitrotoluene	17.3	0.90	5.0	ug/l	25.0	ND	69	58-130			M-04
2,6-Dinitrotoluene	24.2	1.4	5.0	ug/l	25.0	ND	97	50-130			M-04
2-Chloronaphthalene	12.6	2.2	5.0	ug/l	25.0	ND	50	41-120			M-04
2-Chlorophenol	1.07	0.0	5.0	ug/l	25.0	ND	4	23-130			J, M-04, MS-05
2-Methyl-4,6-dinitrophenol	17.5	5.0	5.0	ug/l	25.0	ND	70	30-150			M-04
2-Nitrophenol	19.8	1.3	5.0	ug/l	25.0	ND	79	37-130			M-04
3,3'-Dichlorobenzidine	ND	0.0	5.0	ug/l	25.0	ND		0.1-222			M-04, MS-05
4-Bromophenyl phenyl ether	14.5	1.8	5.0	ug/l	25.0	ND	58	54-130			M-04
4-Chloro-3-methylphenol	ND	1.2	5.0	ug/l	25.0	ND		24-130			M-04, MS-05
4-Chlorophenyl phenyl ether	13.3	2.0	5.0	ug/l	25.0	ND	53	49-120			M-04
4-Nitrophenol	13.9	2.2	10	ug/l	25.0	ND	56	5-120			M-04
Acenaphthene	12.6	1.9	5.0	ug/l	25.0	ND	50	47-130			M-04
Acenaphthylene	ND	2.0	5.0	ug/l	25.0	ND		33-130			M-04, MS-05
Anthracene	1.96	1.7	5.0	ug/l	25.0	ND	8	27-130			J, M-04, MS-05
Benzo (a) anthracene	12.6	0.95	5.0	ug/l	25.0	ND	50	39-130			M-04
Benzo (a) pyrene	0.649	0.0	5.0	ug/l	25.0	ND	3	17-130			J, M-04, MS-05

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
Matrix Spike (W9H1170-MS1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
Benzo (b) fluoranthene	16.8	0.70	5.0	ug/l	25.0	ND	67	54-130			M-04, AN-IP
Benzo (g,h,i) perylene	13.6	0.50	5.0	ug/l	25.0	ND	55	22-130			M-04
Benzo (k) fluoranthene	15.5	1.1	5.0	ug/l	25.0	ND	62	44-130			M-04, AN-IP
Bis(2-chloroethoxy)methane	13.7	0.0	5.0	ug/l	25.0	ND	55	33-130			M-04
Bis(2-chloroethyl)ether	11.7	1.4	5.0	ug/l	25.0	ND	47	30-130			M-04
Bis(2-chloroisopropyl)ether	12.1	1.9	5.0	ug/l	25.0	ND	48	36-130			M-04
Bis(2-ethylhexyl)phthalate	19.6	10	10	ug/l	25.0	ND	78	50-130			M-04
Butyl benzyl phthalate	18.6	0.90	5.0	ug/l	25.0	ND	74	56-130			M-04
Chrysene	17.0	0.95	5.0	ug/l	25.0	ND	68	54-130			M-04
Dibenzo (a,h) anthracene	14.1	0.40	5.0	ug/l	25.0	ND	56	33-130			M-04
Diethyl phthalate	16.0	0.75	5.0	ug/l	25.0	ND	64	57-130			M-04
Dimethyl phthalate	16.9	0.90	5.0	ug/l	25.0	ND	68	52-120			M-04
Di-n-butyl phthalate	18.7	1.2	5.0	ug/l	25.0	ND	75	46-130			M-04
Di-n-octyl phthalate	18.7	0.95	5.0	ug/l	25.0	ND	75	60-130			M-04
Fluoranthene	18.1	1.1	5.0	ug/l	25.0	ND	72	44-130			M-04
Fluorene	15.3	1.8	5.0	ug/l	25.0	ND	61	59-130			M-04
Hexachlorobenzene	13.5	2.4	5.0	ug/l	25.0	ND	54	51-130			M-04
Hexachlorobutadiene	12.9	2.4	5.0	ug/l	25.0	ND	51	42-120			M-04
Hexachlorocyclopentadiene	8.08	7.3	25	ug/l	25.0	ND	32	15-120			M-04, J
Hexachloroethane	11.0	2.6	5.0	ug/l	25.0	ND	44	45-120			M-04, MS-05
Indeno (1,2,3-cd) pyrene	14.6	0.60	5.0	ug/l	25.0	ND	59	37-130			M-04
Isophorone	13.3	1.0	5.0	ug/l	25.0	ND	53	21-130			M-04
Naphthalene	12.8	2.4	5.0	ug/l	25.0	ND	51	39-120			M-04
Nitrobenzene	13.4	1.8	5.0	ug/l	25.0	ND	54	41-120			M-04
N-Nitrosodimethylamine	16.7	0.0	5.0	ug/l	25.0	5.89	43	17-120			M-04
N-Nitrosodi-n-propylamine	14.6	1.3	5.0	ug/l	25.0	ND	58	45-130			M-04
N-Nitrosodiphenylamine	8.77	0.0	5.0	ug/l	25.0	ND	35	49-120			M-04, MS-05
Pentachlorophenol	6.03	0.95	5.0	ug/l	25.0	ND	24	18-130			M-04
Phenanthrene	16.7	1.6	5.0	ug/l	25.0	ND	67	54-130			M-04
Phenol	ND	0.0	5.0	ug/l	25.0	ND		5-120			M-04, MS-05
Pyrene	17.2	1.2	5.0	ug/l	25.0	ND	69	54-130			M-04
Surrogate(s)											
2,4,6-Tribromophenol	*3.60*			*ug/l*	*50.0*		*7*	*37-120*			*M-04, S-GC*
2-Fluorobiphenyl	*12.0*			*ug/l*	*25.0*		*48*	*43-120*			*M-04*
2-Fluorophenol	*0.00*			*ug/l*	*50.0*			*31-100*			*M-04, S-GC*
Nitrobenzene-d5	*13.2*			*ug/l*	*25.0*		*53*	*45-120*			*M-04*

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
Matrix Spike (W9H1170-MS1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
Surrogate(s)											
Phenol-d5	*0.00*			*ug/l*	*50.0*			*15-100*			*M-04, S-GC*
Terphenyl-d14	*17.4*			*ug/l*	*25.0*		*69*	*61-130*			*M-04*
Matrix Spike Dup (W9H1170-MSD1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
1,2,4-Trichlorobenzene	12.0	2.8	5.0	ug/l	25.0	ND	48	44-120	6	30	M-04
1,2-Dichlorobenzene	16.2	2.8	5.0	ug/l	25.0	ND	65	46-130	9	30	M-04
1,3-Dichlorobenzene	11.7	2.6	5.0	ug/l	25.0	ND	47	39-120	8	30	M-04
1,4-Dichlorobenzene	12.3	2.8	5.0	ug/l	25.0	ND	49	40-120	6	30	M-04
2,4,6-Trichlorophenol	2.27	1.1	5.0	ug/l	25.0	ND	9	37-130	14	30	M-04, MS-05, J
2,4-Dichlorophenol	ND	1.3	5.0	ug/l	25.0	ND		43-130		30	M-04, MS-05
2,4-Dimethylphenol	ND	1.5	5.0	ug/l	25.0	ND		32-130		30	M-04, MS-05
2,4-Dinitrophenol	22.8	7.9	25	ug/l	25.0	ND	91	18-156	2	30	M-04, J
2,4-Dinitrotoluene	17.6	0.90	5.0	ug/l	25.0	ND	71	58-130	2	30	M-04
2,6-Dinitrotoluene	24.9	1.4	5.0	ug/l	25.0	ND	100	50-130	3	30	M-04
2-Chloronaphthalene	13.1	2.2	5.0	ug/l	25.0	ND	53	41-120	4	30	M-04
2-Chlorophenol	1.16	0.0	5.0	ug/l	25.0	ND	5	23-130	200	30	M-04, MS-05, J
2-Methyl-4,6-dinitrophenol	17.5	5.0	5.0	ug/l	25.0	ND	70	30-150	0.3	30	M-04
2-Nitrophenol	20.6	1.3	5.0	ug/l	25.0	ND	82	37-130	4	30	M-04
3,3'-Dichlorobenzidine	ND	0.0	5.0	ug/l	25.0	ND		0.1-222		30	M-04, MS-05
4-Bromophenyl phenyl ether	15.1	1.8	5.0	ug/l	25.0	ND	61	54-130	4	30	M-04
4-Chloro-3-methylphenol	ND	1.2	5.0	ug/l	25.0	ND		24-130		30	M-04, MS-05
4-Chlorophenyl phenyl ether	14.0	2.0	5.0	ug/l	25.0	ND	56	49-120	5	30	M-04
4-Nitrophenol	14.6	2.2	10	ug/l	25.0	ND	58	5-120	5	30	M-04
Acenaphthene	13.1	1.9	5.0	ug/l	25.0	ND	52	47-130	4	30	M-04
Acenaphthylene	0.977	0.0	5.0	ug/l	25.0	ND	4	33-130	200	30	M-04, MS-05, J
Anthracene	2.28	1.7	5.0	ug/l	25.0	ND	9	27-130	15	30	MS-05, M-04, J
Benzo (a) anthracene	13.0	0.95	5.0	ug/l	25.0	ND	52	39-130	3	30	M-04
Benzo (a) pyrene	0.810	0.65	5.0	ug/l	25.0	ND	3	17-130	200	30	M-04, MS-05, J
Benzo (b) fluoranthene	17.2	0.70	5.0	ug/l	25.0	ND	69	54-130	2	30	M-04, AN-IP
Benzo (g,h,i) perylene	13.2	0.50	5.0	ug/l	25.0	ND	53	22-130	3	30	M-04
Benzo (k) fluoranthene	15.4	1.1	5.0	ug/l	25.0	ND	62	44-130	0.2	30	M-04, AN-IP
Bis(2-chloroethoxy)methane	14.0	1.2	5.0	ug/l	25.0	ND	56	33-130	2	30	M-04
Bis(2-chloroethyl)ether	12.4	1.4	5.0	ug/l	25.0	ND	50	30-130	6	30	M-04
Bis(2-chloroisopropyl)ether	12.8	1.9	5.0	ug/l	25.0	ND	51	36-130	6	30	M-04
Bis(2-ethylhexyl)phthalate	19.9	10	10	ug/l	25.0	ND	80	50-130	1	30	M-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1170 - EPA 625 (Continued)											
Matrix Spike Dup (W9H1170-MSD1)	**Source: 9G22042-01**				**Prepared: 08/21/19**	**Analyzed: 08/27/19**					
Butyl benzyl phthalate	18.7	0.90	5.0	ug/l	25.0	ND	75	56-130	0.6	30	M-04
Chrysene	17.4	0.95	5.0	ug/l	25.0	ND	70	54-130	2	30	M-04
Dibenzo (a,h) anthracene	14.0	0.40	5.0	ug/l	25.0	ND	56	33-130	1	30	M-04
Diethyl phthalate	16.4	0.75	5.0	ug/l	25.0	ND	66	57-130	2	30	M-04
Dimethyl phthalate	17.1	0.90	5.0	ug/l	25.0	ND	68	52-120	1	30	M-04
Di-n-butyl phthalate	18.7	1.2	5.0	ug/l	25.0	ND	75	46-130	0.2	30	M-04
Di-n-octyl phthalate	19.1	0.95	5.0	ug/l	25.0	ND	76	60-130	2	30	M-04
Fluoranthene	18.3	1.1	5.0	ug/l	25.0	ND	73	44-130	1	30	M-04
Fluorene	15.6	1.8	5.0	ug/l	25.0	ND	62	59-130	2	30	M-04
Hexachlorobenzene	13.8	2.4	5.0	ug/l	25.0	ND	55	51-130	2	30	M-04
Hexachlorobutadiene	13.9	2.4	5.0	ug/l	25.0	ND	56	42-120	8	30	M-04
Hexachlorocyclopentadiene	8.16	7.3	25	ug/l	25.0	ND	33	15-120	1	30	M-04, J
Hexachloroethane	11.8	2.6	5.0	ug/l	25.0	ND	47	45-120	8	30	M-04
Indeno (1,2,3-cd) pyrene	14.4	0.60	5.0	ug/l	25.0	ND	58	37-130	1	30	M-04
Isophorone	13.9	1.0	5.0	ug/l	25.0	ND	56	21-130	5	30	M-04
Naphthalene	13.4	2.4	5.0	ug/l	25.0	ND	54	39-120	5	30	M-04
Nitrobenzene	13.9	1.8	5.0	ug/l	25.0	ND	56	41-120	4	30	M-04
N-Nitrosodimethylamine	16.5	0.70	5.0	ug/l	25.0	5.89	43	17-120	1	30	M-04
N-Nitrosodi-n-propylamine	15.1	1.3	5.0	ug/l	25.0	ND	60	45-130	4	30	M-04
N-Nitrosodiphenylamine	9.39	0.0	5.0	ug/l	25.0	ND	38	49-120	7	30	M-04, MS-05
Pentachlorophenol	6.41	0.95	5.0	ug/l	25.0	ND	26	18-130	6	30	M-04
Phenanthrene	17.0	1.6	5.0	ug/l	25.0	ND	68	54-130	2	30	M-04
Phenol	ND	0.0	5.0	ug/l	25.0	ND		5-120		30	M-04, MS-05
Pyrene	17.4	1.2	5.0	ug/l	25.0	ND	70	54-130	1	30	M-04
Surrogate(s)											
2,4,6-Tribromophenol	*5.26*			*ug/l*	*50.0*		*11*	*37-120*			*M-04, S-GC*
2-Fluorobiphenyl	*13.3*			*ug/l*	*25.0*		*53*	*43-120*			*M-04*
2-Fluorophenol	*0.00*			*ug/l*	*50.0*			*31-100*			*M-04, S-GC*
Nitrobenzene-d5	*14.5*			*ug/l*	*25.0*		*58*	*45-120*			*M-04*
Phenol-d5	*0.00*			*ug/l*	*50.0*			*15-100*			*S-GC, M-04*
Terphenyl-d14	*18.2*			*ug/l*	*25.0*		*73*	*61-130*			*M-04*

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1413 - EPA 300.1											
Blank (W9H1413-BLK1)					**Prepared & Analyzed: 08/26/19**						
Bromate	ND	0.63	5.0	ug/l							
Chlorite	ND	0.70	10	ug/l							
Surrogate(s)											
Dichloroacetate	*540*			*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*540*			*ug/l*	*500*		*108*	*90-115*			
LCS (W9H1413-BS1)					**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	102	0.63	5.0	ug/l	100		102	85-115			
Chlorite	97.2	0.70	10	ug/l	100		97	85-115			
Surrogate(s)											
Dichloroacetate	*549*			*ug/l*	*500*		*110*	*90-115*			
Dichloroacetate	*549*			*ug/l*	*500*		*110*	*90-115*			
Matrix Spike (W9H1413-MS1)	**Source: 9G06001-07**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	93.9	0.63	5.0	ug/l	100	ND	94	64-133			
Chlorite	92.9	0.70	10	ug/l	100	ND	93	78-129			
Surrogate(s)											
Dichloroacetate	*547*			*ug/l*	*500*		*109*	*90-115*			
Dichloroacetate	*547*			*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W9H1413-MS2)	**Source: 9H22043-03**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	102	0.63	5.0	ug/l	100	ND	102	64-133			
Chlorite	107	0.70	10	ug/l	100	ND	107	78-129			
Surrogate(s)											
Dichloroacetate	*557*			*ug/l*	*500*		*111*	*90-115*			
Dichloroacetate	*557*			*ug/l*	*500*		*111*	*90-115*			
Matrix Spike Dup (W9H1413-MSD1)	**Source: 9G06001-07**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	92.9	0.63	5.0	ug/l	100	ND	93	64-133	1	20	
Chlorite	97.9	0.70	10	ug/l	100	ND	98	78-129	5	20	
Surrogate(s)											
Dichloroacetate	*538*			*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*538*			*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W9H1413-MSD2)	**Source: 9H22043-03**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	115	0.63	5.0	ug/l	100	ND	115	64-133	12	20	
Chlorite	103	0.70	10	ug/l	100	ND	103	78-129	4	20	
Surrogate(s)											
Dichloroacetate	*560*			*ug/l*	*500*		*112*	*90-115*			
Dichloroacetate	*560*			*ug/l*	*500*		*112*	*90-115*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1290 - EPA 531.2											
Blank (W9H1290-BLK1)					**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l							
Aldicarb	ND	0.38	2.0	ug/l							
Aldicarb sulfone	ND	0.45	2.0	ug/l							
Aldicarb sulfoxide	ND	0.41	2.0	ug/l							
Carbaryl	ND	0.48	2.0	ug/l							
Carbofuran	ND	0.59	2.0	ug/l							
Methiocarb	ND	0.57	2.0	ug/l							
Methomyl	ND	0.30	2.0	ug/l							
Oxamyl	ND	0.48	2.0	ug/l							
Propoxur (Baygon)	ND	0.60	2.0	ug/l							
Surrogate(s)											
BDMC	*10.5*			*ug/l*	*10.0*		*105*	*70-130*			
LCS (W9H1290-BS1)					**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	11.3	0.48	2.0	ug/l	10.0		113	70-130			
Aldicarb	10.8	0.38	2.0	ug/l	10.0		108	70-130			
Aldicarb sulfone	9.86	0.45	2.0	ug/l	10.0		99	70-130			
Aldicarb sulfoxide	10.7	0.41	2.0	ug/l	10.0		107	70-130			
Carbaryl	10.4	0.48	2.0	ug/l	10.0		104	70-130			
Carbofuran	9.37	0.59	2.0	ug/l	10.0		94	70-130			
Methiocarb	11.0	0.57	2.0	ug/l	10.0		110	70-130			
Methomyl	10.0	0.30	2.0	ug/l	10.0		100	70-130			
Oxamyl	9.91	0.48	2.0	ug/l	10.0		99	70-130			
Propoxur (Baygon)	9.87	0.60	2.0	ug/l	10.0		99	70-130			
Surrogate(s)											
BDMC	*8.49*			*ug/l*	*10.0*		*85*	*70-130*			
Matrix Spike (W9H1290-MS1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	10.9	0.48	2.0	ug/l	10.0	ND	109	70-130			
Aldicarb	10.6	0.38	2.0	ug/l	10.0	ND	106	70-130			
Aldicarb sulfone	10.4	0.45	2.0	ug/l	10.0	ND	104	70-130			
Aldicarb sulfoxide	9.98	0.41	2.0	ug/l	10.0	ND	100	70-130			
Carbaryl	11.0	0.48	2.0	ug/l	10.0	ND	110	70-130			
Carbofuran	11.2	0.59	2.0	ug/l	10.0	ND	112	70-130			
Methiocarb	9.78	0.57	2.0	ug/l	10.0	ND	98	70-130			
Methomyl	10.5	0.30	2.0	ug/l	10.0	ND	105	70-130			
Oxamyl	10.6	0.48	2.0	ug/l	10.0	ND	106	70-130			
Propoxur (Baygon)	10.3	0.60	2.0	ug/l	10.0	ND	103	70-130			
Surrogate(s)											
BDMC	*10.8*			*ug/l*	*10.0*		*108*	*70-130*			
Matrix Spike Dup (W9H1290-MSD1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	11.9	0.48	2.0	ug/l	10.0	ND	119	70-130	9	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1290 - EPA 531.2 (Continued)											
Matrix Spike Dup (W9H1290-MSD1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
Aldicarb	11.0	0.38	2.0	ug/l	10.0	ND	110	70-130	3	30	
Aldicarb sulfone	9.57	0.45	2.0	ug/l	10.0	ND	96	70-130	8	30	
Aldicarb sulfoxide	9.49	0.41	2.0	ug/l	10.0	ND	95	70-130	5	30	
Carbaryl	11.3	0.48	2.0	ug/l	10.0	ND	113	70-130	3	30	
Carbofuran	9.28	0.59	2.0	ug/l	10.0	ND	93	70-130	19	30	
Methiocarb	10.6	0.57	2.0	ug/l	10.0	ND	106	70-130	8	30	
Methomyl	9.85	0.30	2.0	ug/l	10.0	ND	99	70-130	6	30	
Oxamyl	9.71	0.48	2.0	ug/l	10.0	ND	97	70-130	8	30	
Propoxur (Baygon)	10.7	0.60	2.0	ug/l	10.0	ND	107	70-130	4	30	
Surrogate(s)											
BDMC	*8.77*			*ug/l*	*10.0*		*88*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1133 - EPA 515.4											
Blank (W9H1133-BLK1)					**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	ND	0.070	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l							
2,4-D	ND	0.070	0.40	ug/l							
2,4-DB	ND	0.070	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l							
Acifluorfen	ND	0.060	0.40	ug/l							
Bentazon	ND	0.11	2.0	ug/l							
Dalapon	ND	0.10	0.40	ug/l							
DCPA	ND	0.070	0.10	ug/l							
Dicamba	ND	0.12	0.60	ug/l							
Dichloroprop	ND	0.080	0.30	ug/l							
Dinoseb	ND	0.14	0.40	ug/l							
Pentachlorophenol	ND	0.040	0.20	ug/l							
Picloram	ND	0.050	0.60	ug/l							
Surrogate(s)											
2,4-DCAA	*9.90*			*ug/l*	*10.0*		*99*	*70-130*			
LCS (W9H1133-BS1)					**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	3.57	0.070	0.20	ug/l	4.00		89	70-130			
2,4,5-TP (Silvex)	3.79	0.090	0.20	ug/l	4.00		95	70-130			
2,4-D	7.30	0.070	0.40	ug/l	8.00		91	70-130			
2,4-DB	14.5	0.070	2.0	ug/l	16.0		90	70-130			
3,5-Dichlorobenzoic acid	6.93	0.090	1.0	ug/l	8.00		87	70-130			
Acifluorfen	3.73	0.060	0.40	ug/l	4.00		93	70-130			
Bentazon	14.8	0.11	2.0	ug/l	16.0		93	70-130			
Dalapon	6.91	0.10	0.40	ug/l	8.00		86	70-130			
DCPA	3.83	0.070	0.10	ug/l	4.00		96	70-130			
Dicamba	7.32	0.12	0.60	ug/l	8.00		91	70-130			
Dichloroprop	7.33	0.080	0.30	ug/l	8.00		92	70-130			
Dinoseb	3.41	0.14	0.40	ug/l	4.00		85	70-130			
Pentachlorophenol	3.77	0.040	0.20	ug/l	4.00		94	70-130			
Picloram	3.76	0.050	0.60	ug/l	4.00		94	70-130			
Surrogate(s)											
2,4-DCAA	*9.80*			*ug/l*	*10.0*		*98*	*70-130*			
Matrix Spike (W9H1133-MS1)	**Source: 9G22090-01**				**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	3.64	0.070	0.20	ug/l	4.00	ND	91	70-130			
2,4,5-TP (Silvex)	3.91	0.090	0.20	ug/l	4.00	ND	98	70-130			
2,4-D	7.36	0.070	0.40	ug/l	8.00	ND	92	70-130			
2,4-DB	22.0	0.070	2.0	ug/l	16.0	ND	137	70-130			MS-05
3,5-Dichlorobenzoic acid	14.1	0.090	1.0	ug/l	8.00	ND	176	70-130			MS-05

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1133 - EPA 515.4 (Continued)											
Matrix Spike (W9H1133-MS1)	**Source: 9G22090-01**				**Prepared: 08/21/19**	**Analyzed: 08/22/19**					
Acifluorfen	3.37	0.060	0.40	ug/l	4.00	ND	84	70-130			
Bentazon	14.3	0.11	2.0	ug/l	16.0	ND	89	70-130			
Dalapon	6.82	0.10	0.40	ug/l	8.00	ND	85	70-130			
DCPA	3.82	0.070	0.10	ug/l	4.00	ND	95	70-130			
Dicamba	7.87	0.12	0.60	ug/l	8.00	ND	98	70-130			
Dichloroprop	6.71	0.080	0.30	ug/l	8.00	ND	84	70-130			
Dinoseb	2.62	0.14	0.40	ug/l	4.00	ND	65	70-130			MS-05
Pentachlorophenol	3.71	0.040	0.20	ug/l	4.00	ND	93	70-130			
Picloram	3.77	0.050	0.60	ug/l	4.00	ND	94	70-130			
Surrogate(s)											
2,4-DCAA	*9.75*			*ug/l*	*10.0*		*98*	*70-130*			
Matrix Spike Dup (W9H1133-MSD1)	**Source: 9G22090-01**				**Prepared: 08/21/19**	**Analyzed: 08/22/19**					
2,4,5-T	3.74	0.070	0.20	ug/l	4.00	ND	93	70-130	3	30	
2,4,5-TP (Silvex)	4.12	0.090	0.20	ug/l	4.00	ND	103	70-130	5	30	
2,4-D	7.52	0.070	0.40	ug/l	8.00	ND	94	70-130	2	30	
2,4-DB	21.1	0.070	2.0	ug/l	16.0	ND	132	70-130	4	30	MS-05
3,5-Dichlorobenzoic acid	10.7	0.090	1.0	ug/l	8.00	ND	133	70-130	28	30	MS-05
Acifluorfen	3.52	0.060	0.40	ug/l	4.00	ND	88	70-130	4	30	
Bentazon	14.9	0.11	2.0	ug/l	16.0	ND	93	70-130	4	30	
Dalapon	6.59	0.10	0.40	ug/l	8.00	ND	82	70-130	3	30	
DCPA	3.94	0.070	0.10	ug/l	4.00	ND	98	70-130	3	30	
Dicamba	8.49	0.12	0.60	ug/l	8.00	ND	106	70-130	8	30	
Dichloroprop	6.90	0.080	0.30	ug/l	8.00	ND	86	70-130	3	30	
Dinoseb	2.85	0.14	0.40	ug/l	4.00	ND	71	70-130	8	30	
Pentachlorophenol	3.88	0.040	0.20	ug/l	4.00	ND	97	70-130	5	30	
Picloram	3.77	0.050	0.60	ug/l	4.00	ND	94	70-130	0.01	30	
Surrogate(s)											
2,4-DCAA	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
Batch: W9H1582 - EPA 515.4											
Blank (W9H1582-BLK1)					**Prepared: 08/28/19**	**Analyzed: 08/30/19**					
2,4,5-T	ND	0.070	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l							
2,4-D	ND	0.070	0.40	ug/l							
2,4-DB	ND	0.070	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l							
Acifluorfen	ND	0.060	0.40	ug/l							
Bentazon	ND	0.11	2.0	ug/l							
Dalapon	ND	0.10	0.40	ug/l							
DCPA	ND	0.070	0.10	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1582 - EPA 515.4 (Continued)											
Blank (W9H1582-BLK1)					**Prepared: 08/28/19 Analyzed: 08/30/19**						
Dicamba	ND	0.12	0.60	ug/l							
Dichloroprop	ND	0.080	0.30	ug/l							
Dinoseb	ND	0.14	0.40	ug/l							
Pentachlorophenol	ND	0.040	0.20	ug/l							
Picloram	ND	0.050	0.60	ug/l							
Surrogate(s)											
2,4-DCAA	*9.67*			*ug/l*	*10.0*		*97*	*70-130*			
LCS (W9H1582-BS1)					**Prepared: 08/28/19 Analyzed: 08/30/19**						
2,4,5-T	3.93	0.070	0.20	ug/l	4.00		98	70-130			
2,4,5-TP (Silvex)	3.95	0.090	0.20	ug/l	4.00		99	70-130			
2,4-D	7.52	0.070	0.40	ug/l	8.00		94	70-130			
2,4-DB	15.5	0.070	2.0	ug/l	16.0		97	70-130			
3,5-Dichlorobenzoic acid	7.26	0.090	1.0	ug/l	8.00		91	70-130			
Acifluorfen	4.28	0.060	0.40	ug/l	4.00		107	70-130			
Bentazon	16.2	0.11	2.0	ug/l	16.0		101	70-130			
Dalapon	7.15	0.10	0.40	ug/l	8.00		89	70-130			
DCPA	4.02	0.070	0.10	ug/l	4.00		101	70-130			
Dicamba	7.50	0.12	0.60	ug/l	8.00		94	70-130			
Dichloroprop	7.43	0.080	0.30	ug/l	8.00		93	70-130			
Dinoseb	3.79	0.14	0.40	ug/l	4.00		95	70-130			
Pentachlorophenol	3.88	0.040	0.20	ug/l	4.00		97	70-130			
Picloram	4.28	0.050	0.60	ug/l	4.00		107	70-130			
Surrogate(s)											
2,4-DCAA	*9.91*			*ug/l*	*10.0*		*99*	*70-130*			
Matrix Spike (W9H1582-MS1)	**Source: 9H16041-01**				**Prepared: 08/28/19 Analyzed: 08/30/19**						
2,4,5-T	3.97	0.070	0.20	ug/l	4.00	ND	99	70-130			
2,4,5-TP (Silvex)	4.04	0.090	0.20	ug/l	4.00	ND	101	70-130			
2,4-D	7.38	0.070	0.40	ug/l	8.00	ND	92	70-130			
2,4-DB	15.3	0.070	2.0	ug/l	16.0	ND	96	70-130			
3,5-Dichlorobenzoic acid	7.06	0.090	1.0	ug/l	8.00	ND	88	70-130			
Acifluorfen	4.42	0.060	0.40	ug/l	4.00	ND	110	70-130			
Bentazon	15.4	0.11	2.0	ug/l	16.0	ND	96	70-130			
Dalapon	7.15	0.10	0.40	ug/l	8.00	ND	89	70-130			
DCPA	4.19	0.070	0.10	ug/l	4.00	ND	105	70-130			
Dicamba	7.52	0.12	0.60	ug/l	8.00	ND	94	70-130			
Dichloroprop	7.33	0.080	0.30	ug/l	8.00	ND	92	70-130			
Dinoseb	4.29	0.14	0.40	ug/l	4.00	ND	107	70-130			
Pentachlorophenol	3.87	0.040	0.20	ug/l	4.00	ND	97	70-130			
Picloram	4.53	0.050	0.60	ug/l	4.00	ND	113	70-130			
Surrogate(s)											

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1582 - EPA 515.4 (Continued)											
Matrix Spike (W9H1582-MS1)	**Source: 9H16041-01**				**Prepared: 08/28/19**	**Analyzed: 08/30/19**					
Surrogate(s)											
2,4-DCAA	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
Matrix Spike Dup (W9H1582-MSD1)	**Source: 9H16041-01**				**Prepared: 08/28/19**	**Analyzed: 08/30/19**					
2,4,5-T	4.07	0.070	0.20	ug/l	4.00	ND	102	70-130	3	30	
2,4,5-TP (Silvex)	4.09	0.090	0.20	ug/l	4.00	ND	102	70-130	1	30	
2,4-D	7.49	0.070	0.40	ug/l	8.00	ND	94	70-130	1	30	
2,4-DB	16.3	0.070	2.0	ug/l	16.0	ND	102	70-130	6	30	
3,5-Dichlorobenzoic acid	6.92	0.090	1.0	ug/l	8.00	ND	87	70-130	2	30	
Acifluorfen	4.50	0.060	0.40	ug/l	4.00	ND	113	70-130	2	30	
Bentazon	16.3	0.11	2.0	ug/l	16.0	ND	102	70-130	6	30	
Dalapon	7.03	0.10	0.40	ug/l	8.00	ND	88	70-130	2	30	
DCPA	4.26	0.070	0.10	ug/l	4.00	ND	107	70-130	2	30	
Dicamba	7.52	0.12	0.60	ug/l	8.00	ND	94	70-130	0.04	30	
Dichloroprop	7.32	0.080	0.30	ug/l	8.00	ND	91	70-130	0.1	30	
Dinoseb	4.37	0.14	0.40	ug/l	4.00	ND	109	70-130	2	30	
Pentachlorophenol	3.88	0.040	0.20	ug/l	4.00	ND	97	70-130	0.2	30	
Picloram	4.65	0.050	0.60	ug/l	4.00	ND	116	70-130	2	30	
Surrogate(s)											
2,4-DCAA	*10.3*			*ug/l*	*10.0*		*103*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1081 - EPA 508											
Blank (W9H1081-BLK1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	ND	0.00090	0.010	ug/l							
4,4´-DDE	ND	0.0018	0.010	ug/l							
4,4´-DDT	ND	0.0013	0.010	ug/l							
Aldrin	ND	0.00090	0.010	ug/l							
alpha-BHC	ND	0.00080	0.010	ug/l							
Aroclor 1016	ND	0.022	0.10	ug/l							
Aroclor 1221	ND	0.084	0.10	ug/l							
Aroclor 1232	ND	0.064	0.10	ug/l							
Aroclor 1242	ND	0.070	0.10	ug/l							
Aroclor 1248	ND	0.049	0.10	ug/l							
Aroclor 1254	ND	0.068	0.10	ug/l							
Aroclor 1260	ND	0.020	0.10	ug/l							
beta-BHC	ND	0.0015	0.010	ug/l							
Chlordane (tech)	ND	0.066	0.10	ug/l							
Chlorothalonil	ND	0.0020	0.050	ug/l							
delta-BHC	ND	0.0010	0.010	ug/l							
Dieldrin	ND	0.0020	0.010	ug/l							
Endosulfan I	ND	0.00090	0.010	ug/l							
Endosulfan II	ND	0.00080	0.010	ug/l							
Endosulfan sulfate	ND	0.0013	0.010	ug/l							
Endrin	ND	0.0020	0.010	ug/l							
Endrin aldehyde	ND	0.0013	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l							
Heptachlor	ND	0.00090	0.010	ug/l							
Heptachlor epoxide	ND	0.0011	0.010	ug/l							
Hexachlorobenzene	ND	0.0030	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l							
Methoxychlor	ND	0.0044	0.010	ug/l							
PCBs, Total	ND	0.049	0.50	ug/l							
Propachlor	ND	0.010	0.050	ug/l							
Toxaphene	ND	0.066	0.50	ug/l							
Trifluralin	ND	0.0030	0.010	ug/l							
Surrogate(s)											
Decachlorobiphenyl	*0.102*			*ug/l*	*0.100*		*102*	*70-130*			
Tetrachloro-meta-xylene	*0.0776*			*ug/l*	*0.100*		*78*	*70-130*			
LCS (W9H1081-BS1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	0.112	0.00090	0.010	ug/l	0.100		112	77-137			
4,4´-DDE	0.107	0.0018	0.010	ug/l	0.100		107	69-129			
4,4´-DDT	0.123	0.0013	0.010	ug/l	0.100		123	82-142			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1081 - EPA 508 (Continued)											
LCS (W9H1081-BS1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
Aldrin	0.0906	0.00090	0.010	ug/l	0.100		91	56-116			
alpha-BHC	0.112	0.00080	0.010	ug/l	0.100		112	62-122			
beta-BHC	0.113	0.0015	0.010	ug/l	0.100		113	65-125			
delta-BHC	0.144	0.0010	0.010	ug/l	0.100		144	72-132			Q-08
Dieldrin	0.114	0.0020	0.010	ug/l	0.100		114	57-117			
Endosulfan I	0.111	0.00090	0.010	ug/l	0.100		111	57-117			
Endosulfan II	0.116	0.00080	0.010	ug/l	0.100		116	62-122			
Endosulfan sulfate	0.130	0.0013	0.010	ug/l	0.100		130	72-132			
Endrin	0.124	0.0020	0.010	ug/l	0.100		124	58-118			Q-08
Endrin aldehyde	0.115	0.0013	0.010	ug/l	0.100		115	58-118			
gamma-BHC (Lindane)	0.113	0.0015	0.010	ug/l	0.100		113	59-119			
Heptachlor	0.0966	0.00090	0.010	ug/l	0.100		97	68-128			
Heptachlor epoxide	0.115	0.0011	0.010	ug/l	0.100		115	57-117			
Methoxychlor	0.118	0.0044	0.010	ug/l	0.100		118	75-135			
Surrogate(s)											
Decachlorobiphenyl	*0.111*			*ug/l*	*0.100*		*111*	*70-130*			
Tetrachloro-meta-xylene	*0.0826*			*ug/l*	*0.100*		*83*	*70-130*			
LCS Dup (W9H1081-BSD1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	0.114	0.00090	0.010	ug/l	0.100		114	77-137	1	25	
4,4´-DDE	0.107	0.0018	0.010	ug/l	0.100		107	69-129	0.008	25	
4,4´-DDT	0.123	0.0013	0.010	ug/l	0.100		123	82-142	0.07	25	
Aldrin	0.0943	0.00090	0.010	ug/l	0.100		94	56-116	4	25	
alpha-BHC	0.115	0.00080	0.010	ug/l	0.100		115	62-122	3	25	
beta-BHC	0.115	0.0015	0.010	ug/l	0.100		115	65-125	1	25	
delta-BHC	0.141	0.0010	0.010	ug/l	0.100		141	72-132	2	25	Q-08
Dieldrin	0.114	0.0020	0.010	ug/l	0.100		114	57-117	0.2	25	
Endosulfan I	0.112	0.00090	0.010	ug/l	0.100		112	57-117	0.9	25	
Endosulfan II	0.116	0.00080	0.010	ug/l	0.100		116	62-122	0.05	25	
Endosulfan sulfate	0.129	0.0013	0.010	ug/l	0.100		129	72-132	0.8	25	
Endrin	0.124	0.0020	0.010	ug/l	0.100		124	58-118	0.4	25	Q-08
Endrin aldehyde	0.115	0.0013	0.010	ug/l	0.100		115	58-118	0.03	25	
gamma-BHC (Lindane)	0.115	0.0015	0.010	ug/l	0.100		115	59-119	2	25	
Heptachlor	0.0977	0.00090	0.010	ug/l	0.100		98	68-128	1	25	
Heptachlor epoxide	0.116	0.0011	0.010	ug/l	0.100		116	57-117	0.8	25	
Methoxychlor	0.123	0.0044	0.010	ug/l	0.100		123	75-135	4	25	
Surrogate(s)											
Decachlorobiphenyl	*0.110*			*ug/l*	*0.100*		*110*	*70-130*			
Tetrachloro-meta-xylene	*0.0804*			*ug/l*	*0.100*		*80*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results (Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0995 - EPA 549.2											
Blank (W9H0995-BLK1)					**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	ND	0.90	2.0	ug/l							
LCS (W9H0995-BS1)					**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	21.9	0.90	2.0	ug/l	20.0		109	70-130			
Matrix Spike (W9H0995-MS1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	8.28	0.90	2.0	ug/l	20.0	ND	41	46-122			MS-05
Matrix Spike Dup (W9H0995-MSD1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	8.75	0.90	2.0	ug/l	20.0	ND	44	46-122	6	30	MS-05

Quality Control Results (Continued)

Endothall By EPA 548.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1074 - EPA 548.1											
Blank (W9H1074-BLK1)					**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	ND	3.5	40	ug/l							
LCS (W9H1074-BS1)					**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	83.2	3.5	40	ug/l	100		83	31-117			
Matrix Spike (W9H1074-MS1)	**Source: 9H19100-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	22.6	7.0	80	ug/l	200	ND	11	0.1-109			J
Matrix Spike (W9H1074-MS2)	**Source: 9H15070-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	19.1	7.0	80	ug/l	200	ND	10	0.1-109			J
Matrix Spike Dup (W9H1074-MSD1)	**Source: 9H19100-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	12.0	7.0	80	ug/l	200	ND	6	0.1-109	61	30	J, MS-05
Matrix Spike Dup (W9H1074-MSD2)	**Source: 9H15070-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	16.7	7.0	80	ug/l	200	ND	8	0.1-109	14	30	J

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Fumigants by EPA Method 504.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1249 - EPA 504.1											
Blank (W9H1249-BLK1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l							
LCS (W9H1249-BS1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0909	0.0034	0.010	ug/l	0.100		91	70-130			
1,2-Dibromoethane (EDB)	0.0879	0.0054	0.020	ug/l	0.100		88	70-130			
LCS (W9H1249-BS2)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.00934	0.0034	0.010	ug/l	0.0100		93	70-130			J
1,2-Dibromoethane (EDB)	0.00766	0.0054	0.020	ug/l	0.0100		77	70-130			J
LCS Dup (W9H1249-BSD1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0918	0.0034	0.010	ug/l	0.100		92	70-130	1	30	
1,2-Dibromoethane (EDB)	0.0870	0.0054	0.020	ug/l	0.100		87	70-130	1	30	
Matrix Spike (W9H1249-MS1)	**Source: 9G22090-01**				**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0847	0.0034	0.010	ug/l	0.100	ND	85	65-135			
1,2-Dibromoethane (EDB)	0.0785	0.0054	0.020	ug/l	0.100	ND	79	65-135			
Matrix Spike Dup (W9H1249-MSD1)	**Source: 9G22090-01**				**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0841	0.0034	0.010	ug/l	0.100	ND	84	65-135	0.7	30	
1,2-Dibromoethane (EDB)	0.0794	0.0054	0.020	ug/l	0.100	ND	79	65-135	1	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1014 - EPA 547											
Blank (W9H1014-BLK1)					**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	ND	1.8	5.0	ug/l							
Blank (W9H1014-BLK2)					**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	ND	1.8	5.0	ug/l							QC-2
LCS (W9H1014-BS1)					**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	24.0	1.8	5.0	ug/l	25.0		96	70-130			
LCS (W9H1014-BS2)					**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	25.1	1.8	5.0	ug/l	25.0		100	70-130			QC-2
Matrix Spike (W9H1014-MS1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	22.8	1.8	5.0	ug/l	25.0	ND	91	41-149			
Matrix Spike (W9H1014-MS2)	**Source: 9H19100-01**				**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	21.9	1.8	5.0	ug/l	25.0	ND	88	41-149			
Matrix Spike Dup (W9H1014-MSD1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	22.4	1.8	5.0	ug/l	25.0	ND	90	41-149	2	30	
Matrix Spike Dup (W9H1014-MSD2)	**Source: 9H19100-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	27.6	1.8	5.0	ug/l	25.0	ND	110	41-149	23	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1471 - EPA 552.3											
Blank (W9H1471-BLK1)					**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l							
HAA5, Total	ND	1.0	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l							
Surrogate(s)											
2-Bromobutyric acid	*9.92*			*ug/l*	*10.0*		*99*	*70-130*			
LCS (W9H1471-BS1)					**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.18	0.32	1.0	ug/l	10.0		82	70-130			
Dichloroacetic acid (dcaa)	8.68	0.37	1.0	ug/l	10.0		87	70-130			
Monobromoacetic acid (mbaa)	7.73	0.39	1.0	ug/l	10.0		77	70-130			
Monochloroacetic acid (mcaa)	7.72	0.34	2.0	ug/l	10.0		77	70-130			
Trichloroacetic acid (tcaa)	9.33	0.28	1.0	ug/l	10.0		93	70-130			
Surrogate(s)											
2-Bromobutyric acid	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike (W9H1471-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.86	0.32	1.0	ug/l	10.0	ND	89	70-130			
Dichloroacetic acid (dcaa)	9.41	0.37	1.0	ug/l	10.0	ND	94	70-130			
Monobromoacetic acid (mbaa)	8.30	0.39	1.0	ug/l	10.0	ND	83	70-130			
Monochloroacetic acid (mcaa)	8.37	0.34	2.0	ug/l	10.0	ND	84	70-130			
Trichloroacetic acid (tcaa)	10.2	0.28	1.0	ug/l	10.0	ND	102	70-130			
Surrogate(s)											
2-Bromobutyric acid	*9.87*			*ug/l*	*10.0*		*99*	*70-130*			
Matrix Spike Dup (W9H1471-MSD1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.95	0.32	1.0	ug/l	10.0	ND	90	70-130	1	30	
Dichloroacetic acid (dcaa)	9.67	0.37	1.0	ug/l	10.0	ND	97	70-130	3	30	
Monobromoacetic acid (mbaa)	8.33	0.39	1.0	ug/l	10.0	ND	83	70-130	0.3	30	
Monochloroacetic acid (mcaa)	8.16	0.34	2.0	ug/l	10.0	ND	82	70-130	3	30	
Trichloroacetic acid (tcaa)	10.4	0.28	1.0	ug/l	10.0	ND	104	70-130	1	30	
Surrogate(s)											
2-Bromobutyric acid	*10.0*			*ug/l*	*10.0*		*100*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results (Continued)

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1182 - EPA 218.6											
Blank (W9H1182-BLK1)					**Prepared & Analyzed: 08/21/19**						
Chromium 6+	ND	0.0048	0.020	ug/l							
LCS (W9H1182-BS1)					**Prepared & Analyzed: 08/21/19**						
Chromium 6+	4.90	0.0048	0.020	ug/l	5.00		98	90-110			
Matrix Spike (W9H1182-MS1)	**Source: 9H14112-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	10.3	0.0048	0.020	ug/l	5.00	5.11	104	88-112			
Matrix Spike (W9H1182-MS2)	**Source: 9H15052-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	5.21	0.0048	0.020	ug/l	5.00	0.0356	103	88-112			
Matrix Spike Dup (W9H1182-MSD1)	**Source: 9H14112-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	9.92	0.0048	0.020	ug/l	5.00	5.11	96	88-112	4	10	
Matrix Spike Dup (W9H1182-MSD2)	**Source: 9H15052-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	5.01	0.0048	0.020	ug/l	5.00	0.0356	99	88-112	4	10	

Quality Control Results (Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0993 - EPA 1625M											
Blank (W9H0993-BLK1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l							
LCS (W9H0993-BS1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	3.64	0.50	2.0	ng/l	3.00		121	50-150			
LCS Dup (W9H0993-BSD1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	3.21	0.50	2.0	ng/l	3.00		107	50-150	12	50	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0412 - EPA 1694M-APCI											
Blank (W9I0412-BLK1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	ND	0.56	1.0	ng/l							
17-b-Estradiol	ND	0.31	1.0	ng/l							
Estrone	ND	0.20	1.0	ng/l							
Progesterone	ND	0.17	1.0	ng/l							
Testosterone	ND	0.14	1.0	ng/l							
LCS (W9I0412-BS1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	10.2	0.56	1.0	ng/l	10.0		102	68-159			
17-b-Estradiol	6.50	0.31	1.0	ng/l	10.0		65	65-146			
Estrone	11.4	0.20	1.0	ng/l	10.0		114	59-141			
Progesterone	9.68	0.17	1.0	ng/l	10.0		97	58-154			
Testosterone	10.2	0.14	1.0	ng/l	10.0		102	60-172			
LCS Dup (W9I0412-BSD1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	13.3	0.56	1.0	ng/l	10.0		133	68-159	26	30	
17-b-Estradiol	21.6	0.31	1.0	ng/l	10.0		216	65-146	107	30	BS-04
Estrone	16.7	0.20	1.0	ng/l	10.0		167	59-141	38	30	Q-08
Progesterone	8.32	0.17	1.0	ng/l	10.0		83	58-154	15	30	
Testosterone	3.21	0.14	1.0	ng/l	10.0		32	60-172	104	30	BS-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0414 - EPA 1694M-ESI-											
Blank (W9I0414-BLK1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	1.19	0.27	1.0	ng/l							B-06
Diclofenac	ND	0.26	1.0	ng/l							
Gemfibrozil	ND	0.080	1.0	ng/l							
Ibuprofen	ND	0.39	1.0	ng/l							
Iopromide	ND	1.8	5.0	ng/l							
Naproxen	ND	0.25	1.0	ng/l							
Salicylic Acid	33.4	0.86	50	ng/l							J
Triclosan	ND	1.2	2.0	ng/l							
LCS (W9I0414-BS1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	10.5	0.27	1.0	ng/l	10.0		105	53-168			
Diclofenac	14.5	0.26	1.0	ng/l	10.0		145	37-218			
Gemfibrozil	9.78	0.080	1.0	ng/l	10.0		98	76-122			
Ibuprofen	14.4	0.39	1.0	ng/l	10.0		144	67-139			BS-H
Iopromide	53.8	1.8	5.0	ng/l	50.0		108	0.1-163			
Naproxen	15.4	0.25	1.0	ng/l	10.0		154	64-138			Q-08
Salicylic Acid	126	0.86	50	ng/l	100		126	56-229			
Triclosan	11.1	1.2	2.0	ng/l	10.0		111	76-139			
LCS Dup (W9I0414-BSD1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	15.2	0.27	1.0	ng/l	10.0		152	53-168	37	30	Q-12
Diclofenac	16.0	0.26	1.0	ng/l	10.0		160	37-218	10	30	
Gemfibrozil	10.5	0.080	1.0	ng/l	10.0		105	76-122	7	30	
Ibuprofen	14.8	0.39	1.0	ng/l	10.0		148	67-139	3	30	BS-H
Iopromide	62.6	1.8	5.0	ng/l	50.0		125	0.1-163	15	30	
Naproxen	16.1	0.25	1.0	ng/l	10.0		161	64-138	4	30	Q-08
Salicylic Acid	135	0.86	50	ng/l	100		135	56-229	7	30	
Triclosan	10.8	1.2	2.0	ng/l	10.0		108	76-139	3	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0410 - EPA 1694M-ESI+											
Blank (W9I0410-BLK1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	ND	0.31	1.0	ng/l							
DEET	0.359	0.060	1.0	ng/l							J
Sucralose	ND	5.0	5.0	ng/l							
LCS (W9I0410-BS1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	12.9	0.31	1.0	ng/l	10.0		129	55-152			
DEET	9.59	0.060	1.0	ng/l	10.0		96	45-135			
Sucralose	90.9	5.0	5.0	ng/l	50.0		182	50-150			BS-H
LCS Dup (W9I0410-BSD1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	9.64	0.31	1.0	ng/l	10.0		96	55-152	29	30	
DEET	12.0	0.060	1.0	ng/l	10.0		120	45-135	22	30	
Sucralose	154	5.0	5.0	ng/l	50.0		308	50-150	52	30	BS-H

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2											
Blank (W9H1437-BLK1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	ND	0.022	0.10	ug/l							
Atrazine	ND	0.034	0.10	ug/l							
Benzo (a) pyrene	ND	0.070	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l							
Bromacil	ND	0.038	0.50	ug/l							
Butachlor	ND	0.017	0.10	ug/l							
Captan	ND	0.86	1.0	ug/l							
Chlorpropham	ND	0.010	0.10	ug/l							
Cyanazine	ND	0.024	0.10	ug/l							
Diazinon	ND	0.096	0.10	ug/l							
Dimethoate	ND	0.024	0.20	ug/l							
Diphenamid	ND	0.024	0.10	ug/l							
Disulfoton	ND	0.031	0.10	ug/l							
EPTC	ND	0.017	0.10	ug/l							
Metolachlor	ND	0.012	0.10	ug/l							
Metribuzin	ND	0.015	0.10	ug/l							
Molinate	ND	0.039	0.10	ug/l							
Prometon	ND	0.024	0.10	ug/l							
Prometryn	ND	0.036	0.10	ug/l							
Simazine	ND	0.015	0.10	ug/l							
Terbacil	ND	0.55	2.0	ug/l							
Thiobencarb	ND	0.025	0.10	ug/l							
Trithion	ND	0.012	0.10	ug/l							
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.73*			*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.14*			*ug/l*	*5.00*		*83*	*50-120*			
Triphenyl phosphate	*3.96*			*ug/l*	*5.00*		*79*	*70-130*			
LCS (W9H1437-BS1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	5.64	0.022	0.10	ug/l	5.00		113	70-130			
Atrazine	5.99	0.034	0.10	ug/l	5.00		120	70-130			
Benzo (a) pyrene	5.18	0.070	0.10	ug/l	5.00		104	60-130			
Bis(2-ethylhexyl)adipate	6.00	0.10	2.0	ug/l	5.00		120	70-130			
Bis(2-ethylhexyl)phthalate	5.78	1.1	2.0	ug/l	5.00		116	70-130			
Bromacil	5.57	0.038	0.50	ug/l	5.00		111	70-130			
Butachlor	5.97	0.017	0.10	ug/l	5.00		119	70-130			
Captan	7.79	0.86	1.0	ug/l	5.00		156	70-130			Q-08
Chlorpropham	6.08	0.010	0.10	ug/l	5.00		122	70-130			
Cyanazine	5.87	0.024	0.10	ug/l	5.00		117	70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2 (Continued)											
LCS (W9H1437-BS1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Diazinon	4.52	0.096	0.10	ug/l	5.00		90	50-120			
Dimethoate	5.73	0.024	0.20	ug/l	5.00		115	50-120			
Diphenamid	5.60	0.024	0.10	ug/l	5.00		112	70-130			
Disulfoton	4.18	0.031	0.10	ug/l	5.00		84	50-120			
EPTC	5.07	0.017	0.10	ug/l	5.00		101	70-130			
Metolachlor	5.81	0.012	0.10	ug/l	5.00		116	60-130			
Metribuzin	5.51	0.015	0.10	ug/l	5.00		110	50-120			
Molinate	5.36	0.039	0.10	ug/l	5.00		107	70-130			
Prometon	1.12	0.024	0.10	ug/l	5.00		22	15-120			
Prometryn	4.04	0.036	0.10	ug/l	5.00		81	30-120			
Simazine	4.89	0.015	0.10	ug/l	5.00		98	60-130			
Terbacil	6.52	0.55	2.0	ug/l	5.00		130	70-130			
Thiobencarb	4.96	0.025	0.10	ug/l	5.00		99	70-130			
Trithion	5.78	0.012	0.10	ug/l	5.00		116	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.56*			*ug/l*	*5.00*		*91*	*70-130*			
Perylene-d12	*4.96*			*ug/l*	*5.00*		*99*	*50-120*			
Triphenyl phosphate	*6.16*			*ug/l*	*5.00*		*123*	*70-130*			
Matrix Spike (W9H1437-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	5.65	0.022	0.10	ug/l	5.00	ND	113	70-130			
Atrazine	6.23	0.034	0.10	ug/l	5.00	ND	125	70-130			
Benzo (a) pyrene	5.57	0.070	0.10	ug/l	5.00	ND	111	60-130			
Bis(2-ethylhexyl)adipate	6.35	0.10	2.0	ug/l	5.00	ND	127	70-130			
Bis(2-ethylhexyl)phthalate	6.05	1.1	2.0	ug/l	5.00	ND	121	70-130			
Bromacil	6.45	0.038	0.50	ug/l	5.00	ND	129	70-130			
Butachlor	5.56	0.017	0.10	ug/l	5.00	ND	111	70-130			
Captan	7.91	0.86	1.0	ug/l	5.00	ND	158	70-130			Q-08
Chlorpropham	6.84	0.010	0.10	ug/l	5.00	ND	137	70-130			MS-05
Cyanazine	5.69	0.024	0.10	ug/l	5.00	ND	114	70-130			
Diazinon	4.96	0.096	0.10	ug/l	5.00	ND	99	50-120			
Dimethoate	6.59	0.024	0.20	ug/l	5.00	ND	132	50-120			MS-05
Diphenamid	5.74	0.024	0.10	ug/l	5.00	ND	115	70-130			
Disulfoton	4.79	0.031	0.10	ug/l	5.00	ND	96	50-120			
EPTC	5.16	0.017	0.10	ug/l	5.00	ND	103	70-130			
Metolachlor	6.04	0.012	0.10	ug/l	5.00	ND	121	60-130			
Metribuzin	6.16	0.015	0.10	ug/l	5.00	ND	123	50-120			MS-05
Molinate	5.63	0.039	0.10	ug/l	5.00	ND	113	70-130			
Prometon	1.77	0.024	0.10	ug/l	5.00	ND	35	15-120			
Prometryn	3.86	0.036	0.10	ug/l	5.00	ND	77	30-120			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2 (Continued)											
Matrix Spike (W9H1437-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/06/19**					
Simazine	5.19	0.015	0.10	ug/l	5.00	ND	104	60-130			
Terbacil	7.62	0.55	2.0	ug/l	5.00	ND	152	70-130			MS-05
Thiobencarb	5.16	0.025	0.10	ug/l	5.00	ND	103	70-130			
Trithion	5.44	0.012	0.10	ug/l	5.00	ND	109	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.84*			*ug/l*	*5.00*		*97*	*70-130*			
Perylene-d12	*4.99*			*ug/l*	*5.00*		*100*	*50-120*			
Triphenyl phosphate	*6.49*			*ug/l*	*5.00*		*130*	*70-130*			
Matrix Spike Dup (W9H1437-MSD1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/06/19**					
Alachlor	5.70	0.022	0.10	ug/l	5.00	ND	114	70-130	1	30	
Atrazine	5.59	0.034	0.10	ug/l	5.00	ND	112	70-130	11	30	
Benzo (a) pyrene	5.65	0.070	0.10	ug/l	5.00	ND	113	60-130	1	30	
Bis(2-ethylhexyl)adipate	6.28	0.10	2.0	ug/l	5.00	ND	126	70-130	1	30	
Bis(2-ethylhexyl)phthalate	5.91	1.1	2.0	ug/l	5.00	ND	118	70-130	2	30	
Bromacil	6.55	0.038	0.50	ug/l	5.00	ND	131	70-130	2	30	MS-05
Butachlor	5.54	0.017	0.10	ug/l	5.00	ND	111	70-130	0.3	30	
Captan	7.42	0.86	1.0	ug/l	5.00	ND	148	70-130	6	30	Q-08
Chlorpropham	6.96	0.010	0.10	ug/l	5.00	ND	139	70-130	2	30	MS-05
Cyanazine	5.39	0.024	0.10	ug/l	5.00	ND	108	70-130	5	30	
Diazinon	5.12	0.096	0.10	ug/l	5.00	ND	102	50-120	3	30	
Dimethoate	6.25	0.024	0.20	ug/l	5.00	ND	125	50-120	5	30	MS-05
Diphenamid	5.49	0.024	0.10	ug/l	5.00	ND	110	70-130	5	30	
Disulfoton	5.02	0.031	0.10	ug/l	5.00	ND	100	50-120	5	30	
EPTC	5.35	0.017	0.10	ug/l	5.00	ND	107	70-130	4	30	
Metolachlor	5.78	0.012	0.10	ug/l	5.00	ND	116	60-130	4	30	
Metribuzin	6.08	0.015	0.10	ug/l	5.00	ND	122	50-120	1	30	MS-05
Molinate	5.68	0.039	0.10	ug/l	5.00	ND	114	70-130	0.9	30	
Prometon	1.95	0.024	0.10	ug/l	5.00	ND	39	15-120	10	30	
Prometryn	4.18	0.036	0.10	ug/l	5.00	ND	84	30-120	8	30	
Simazine	5.09	0.015	0.10	ug/l	5.00	ND	102	60-130	2	30	
Terbacil	7.52	0.55	2.0	ug/l	5.00	ND	150	70-130	1	30	MS-05
Thiobencarb	5.38	0.025	0.10	ug/l	5.00	ND	108	70-130	4	30	
Trithion	5.34	0.012	0.10	ug/l	5.00	ND	107	70-130	2	30	
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.97*			*ug/l*	*5.00*		*99*	*70-130*			
Perylene-d12	*5.14*			*ug/l*	*5.00*		*103*	*50-120*			
Triphenyl phosphate	*6.18*			*ug/l*	*5.00*		*124*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418338

Project Manager: Albert Vargas

Reported:
11/27/2019 11:03

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
B-06	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch.
BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
BS-H	The recovery of this analyte in the BS/LCS was over the control limit. Sample result is suspect.
J	Estimated conc. detected <MRL and >MDL.
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
M-04	Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
% Rec	Percent Recovery
Dil	Dilution
dry	Sample results reported on a dry weight basis
MDA	Minimum Detectable Activity
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
NR	Not Reportable
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

9H160051

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

Weck Labs - Sub
14859 Clark Ave.
Hacienda Heights, CA
91745

ATTN: Regina Giancola
PO# 1038449

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1625CM	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1694M_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	218.6_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	300.1_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	504.1_Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	508 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	515.3 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	525.2 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	531.1 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	547 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	548.1 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	549.2 Out	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	552.2 Haloacetic Acid_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	625 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1625CM	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1694M_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	218.6_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	300.1_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	504.1_Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	508 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	515.3 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	525.2 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	531.1 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	547 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	548.1 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	549.2 Out	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	552.2 Haloacetic Acid_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	625 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1625CM	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1694M_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	218.6_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	300.1_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	504.1_Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	508 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	515.3 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	525.2 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	531.1 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	547 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	548.1 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	549.2 Out	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	552.2 Haloacetic Acid_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	625 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1625CM	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1694M_OUT	

9H160051

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	218.6_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	300.1_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	504.1_Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	508 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	515.3 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	525.2 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	531.1 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	547 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	548.1 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	549.2 Out	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	552.2 Haloacetic Acid_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	625 Out	

Note:
Standard TAT

See attached compound lists for compounds to be reported and project specific reporting limits.

Since 1694 analyses will most likely take 1-2 months, please report the other methods as soon as they are all done.

Relinquished By

Date/Time 8/16/19 1308

Date/Time 8-16-19 1406

Received By:

Date/Time 8-16-19 1306

Date/Time 8/16-19 14:06

5.3° T-0222

Compound	Method	New RL	Units	
Bromate	EPA 300.1	5	ug/L	Weck
Chlorite	EPA 300.1	10	ug/L	Weck
DBCP	EPA 504.1	0.01	ug/L	Weck
EDB	EPA 504.1	0.02	ug/L	Weck
Endrin	EPA 508	0.01	ug/L	Weck
Heptachlor	EPA 508	0.01	ug/L	Weck
Heptachlor Epoxide	EPA 508	0.01	ug/L	Weck
Hexachlororbenzene	EPA 508	0.05	ug/L	Weck
Hexachlorocyclopentadiene	EPA 508	0.05	ug/L	Weck
Lindane	EPA 508	0.01	ug/L	Weck
Methoxychlor	EPA 508	0.01	ug/L	Weck
PCBs	EPA 508	0.5	ug/L	Weck
PCBs (1016,1221,1232,1242,1248,1254,1260)	EPA 508	0.5	ug/L	Weck
Toxaphene	EPA 508	0.5	ug/L	Weck
Aldrin	EPA 508	0.01	ug/L	Weck
a-BHC	EPA 508	0.01	ug/L	Weck
b-BHC	EPA 508	0.01	ug/L	Weck
g-BHC	EPA 508	0.01	ug/L	Weck
d-BHC	EPA 508	0.01	ug/L	Weck
4,4'-DDT	EPA 508	0.01	ug/L	Weck
4,4'-DDE	EPA 508	0.01	ug/L	Weck
4-4'-DDD	EPA 508	0.01	ug/L	Weck
Chlordane	EPA 508	0.1	ug/L	Weck
Dieldrin	EPA 508	0.01	ug/L	Weck
a-Endosulfan	EPA 508	0.01	ug/L	Weck
b-Endosulfan	EPA 508	0.01	ug/L	Weck
Endosulfan Sulfate	EPA 508	0.01	ug/L	Weck
Endrin Aldehyde	EPA 508	0.01	ug/L	Weck
Bentazon	EPA 515.3	2	ug/L	Weck
2,4-D	EPA 515.3	0.4	ug/L	Weck
Dalapon	EPA 515.3	0.4	ug/L	Weck
Dinoseb	EPA 515.3	0.4	ug/L	Weck
Picloram	EPA 515.3	0.6	ug/L	Weck
Pentachlorophenol	EPA 515.3	0.2	ug/L	Weck
2,4,5-TP (Silvex)	EPA 515.3	0.2	ug/L	Weck
Alachlor	EPA 525.2	0.1	ug/L	Weck
Atrazine	EPA 525.2	0.1	ug/L	Weck
Molinate	EPA 525.2	0.1	ug/L	Weck
Simazine	EPA 525.2	0.1	ug/L	Weck
Thiobencarb	EPA 525.2	0.1	ug/L	Weck
Benzo(a)pyrene	EPA 525.2	0.1	ug/L	Weck
Di(2-ethylhexyl)adipate	EPA 525.2	2	ug/L	Weck
Di(2-ethylhexyl)phthalate	EPA 525.2	2	ug/L	Weck
Carbofuran	EPA 531.1	2	ug/L	Weck
Oxamyl	EPA 531.1	2	ug/L	Weck
Glyphosate	EPA 547	5	ug/L	Weck
Endothall	EPA 548.1	40	ug/L	Weck
Diquat	EPA 549.2	2	ug/L	Weck
Monochloroacetic acid	EPA 552.2	2	ug/L	Weck
Dichloroacetic acid	EPA 552.2	1	ug/L	Weck

Trichloroacetic acid	EPA 552.2	1	ug/L	Weck
Monobromoacetic acid	EPA 552.2	1	ug/L	Weck
Dibromoacetic acid	EPA 552.2	1	ug/L	Weck
2-Chlorophenol	EPA 625	1	ug/L	Weck
2,4-Dichlorophenol	EPA 625	1	ug/L	Weck
2,4-Dimethylphenol	EPA 625	1	ug/L	Weck
4,6-Dinitro-2-Methylphenol	EPA 625	1	ug/L	Weck
2,4-Dinitrophenol	EPA 625	5	ug/L	Weck
2-Nitrophenol	EPA 625	1	ug/L	Weck
4-Nitrophenol	EPA 625	2	ug/L	Weck
4-Chloro-3-Methylphenol	EPA 625	1	ug/L	Weck
Phenol	EPA 625	1	ug/L	Weck
2,4,6-Trichlorophenol	EPA 625	1	ug/L	Weck
Acenapthene	EPA 625	1	ug/L	Weck
Acenaphthylene	EPA 625	1	ug/L	Weck
Anthracene	EPA 625	1	ug/L	Weck
Benzidine	EPA 625	10	ug/L	Weck
Benzo(a)anthracene	EPA 625	1	ug/L	Weck
Benzo(b)fluoranthene	EPA 625	1	ug/L	Weck
Benzo(ghi)perylene	EPA 625	1	ug/L	Weck
Benzo(k)fluoranthene	EPA 625	1	ug/L	Weck
Bis(2-chloroethoxy) Methane	EPA 625	1	ug/L	Weck
Bis(2-chloroethyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-chloroisopropyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-ethylhexyl) Phthalate	EPA 625	2	ug/L	Weck
4-Bromophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Butylbenzyl Phthalate	EPA 625	1	ug/L	Weck
Fluoranthene	EPA 625	1	ug/L	Weck
Fluorene	EPA 625	1	ug/L	Weck
Hexachlorobutadiene	EPA 625	1	ug/L	Weck
Hexachloroethane	EPA 625	1	ug/L	Weck
Indeno(1,2,3-cd) Pyrene	EPA 625	1	ug/L	Weck
Isophorone	EPA 625	1	ug/L	Weck
Naphthalene	EPA 625	1	ug/L	Weck
Nitrobenzene	EPA 625	1	ug/L	Weck
N-nitrosodi-N-propylamine	EPA 625	1	ug/L	Weck
N-Nitrosodiphenylamine	EPA 625	1	ug/L	Weck
Phenanthrene	EPA 625	1	ug/L	Weck
Pyrene	EPA 625	1	ug/L	Weck
2-Chloronaphthalene	EPA 625	1	ug/L	Weck
4-Chlorophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Chrysene	EPA 625	1	ug/L	Weck
Dibenzo(ah)anthracene	EPA 625	1	ug/L	Weck
3-3'-Dichlorobenzidine	EPA 625	1	ug/L	Weck
Diethyl Phthalate	EPA 625	1	ug/L	Weck
Dimethyl Phthalate	EPA 625	1	ug/L	Weck
Di-n-butyl Phthalate	EPA 625	1	ug/L	Weck
2,4-Dinitrotoluene	EPA 625	1	ug/L	Weck
2,6-Dinitrotoluene	EPA 625	1	ug/L	Weck
Di-n-octyl Phthalate	EPA 625	1	ug/L	Weck
1,2-Diphenylhydrazine (Azobenzene)	EPA 625	1	ug/L	Weck
17B-Estradiol	EPA 1694M-APCI	1	ng/L	
Caffeine	EPA 1694M-ESI+	1	ng/L	
Triclosan	EPA 1694M-ESI-	2	ng/L	
DEET	EPA 1694M-ESI+	1	ng/L	
Sucralose	EPA 1694M-ESI+	5	ng/L	
NDMA	EPA 1625M	2	ng/L	
Chromium (VI)	EPA 218.6	0.02	ug/L	Weck

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 10, 2019

Ms. Patty Mata
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

RE: Project: 418338
Pace Project No.: 30320349

Dear Ms. Mata:
Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 418338
Pace Project No.: 30320349

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 418338
Pace Project No.: 30320349

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30320349001	**418338-001**	Water	08/14/19 08:30	08/17/19 10:10
30320349002	**418338-002**	Water	08/14/19 08:45	08/17/19 10:10
30320349003	**418338-003**	Water	08/14/19 12:30	08/17/19 10:10
30320349004	**418338-004**	Water	08/14/19 12:30	08/17/19 10:10

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: 418338
Pace Project No.: 30320349

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30320349001	**418338-001**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320349002	**418338-002**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320349003	**418338-003**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320349004	**418338-004**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

Sample: 418338-001 **Lab ID: 30320349001** Collected: 08/14/19 08:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**5.16 ± 2.64 (3.65) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**4.71 ± 1.78 (2.46) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.690 ± 0.460 (0.571) C:NA T:92%**	pCi/L	09/06/19 11:40	13982-63-3	
Radium-228	EPA 904.0	**0.635 ± 0.419 (0.800) C:77% T:84%**	pCi/L	08/30/19 14:46	15262-20-1	
Strontium-90	ASTM D5811-95	**-0.290 ± 1.23 (2.37) C:105% T:NA**	pCi/L	09/03/19 19:48	10098-97-2	N2
Tritium	EPA 906.0	**-120 ± 132 (244) C:NA T:NA**	pCi/L	09/04/19 13:25	10028-17-8	
Total Uranium	ASTM D5174-97	**6.36 ± 0.190 (0.262) C:NA T:NA**	ug/L	09/09/19 16:42	7440-61-1	

Sample: 418338-002 **Lab ID: 30320349002** Collected: 08/14/19 08:45 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**19.3 ± 5.95 (5.41) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**4.05 ± 2.17 (3.34) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.251 ± 0.297 (0.466) C:NA T:98%**	pCi/L	09/06/19 11:40	13982-63-3	
Radium-228	EPA 904.0	**0.568 ± 0.377 (0.717) C:81% T:85%**	pCi/L	08/30/19 14:46	15262-20-1	
Strontium-90	ASTM D5811-95	**-1.20 ± 1.17 (2.27) C:99% T:NA**	pCi/L	09/03/19 19:48	10098-97-2	N2
Tritium	EPA 906.0	**1,950 ± 337 (243) C:NA T:NA**	pCi/L	09/04/19 14:27	10028-17-8	
Total Uranium	ASTM D5174-97	**25.2 ± 0.746 (1.048) C:NA T:NA**	ug/L	09/09/19 17:02	7440-61-1	

Sample: 418338-003 **Lab ID: 30320349003** Collected: 08/14/19 12:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**1.88 ± 2.86 (5.28) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**18.6 ± 4.36 (3.97) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.0528 ± 0.274 (0.569) C:NA T:94%**	pCi/L	09/06/19 11:40	13982-63-3	
Radium-228	EPA 904.0	**0.374 ± 0.345 (0.703) C:81% T:86%**	pCi/L	08/30/19 14:46	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

Sample: 418338-003 **Lab ID: 30320349003** Collected: 08/14/19 12:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Strontium-90	ASTM D5811-95	**0.792 ± 0.976 (1.78) C:97% T:NA**	pCi/L	09/03/19 19:48	10098-97-2	N2
Tritium	EPA 906.0	**-37.3 ± 136 (243) C:NA T:NA**	pCi/L	09/04/19 15:28	10028-17-8	
Total Uranium	ASTM D5174-97	**0.935 ± 0.029 (0.262) C:NA T:NA**	ug/L	09/09/19 16:46	7440-61-1	

Sample: 418338-004 **Lab ID: 30320349004** Collected: 08/14/19 12:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, __ mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**5.55 ± 4.27 (6.96) C:NA T:NA**	pCi/L	09/02/19 13:34	12587-46-1	
Gross Beta	EPA 900.0	**13.7 ± 3.69 (4.02) C:NA T:NA**	pCi/L	09/02/19 13:34	12587-47-2	
Radium-226	EPA 903.1	**1.09 ± 0.617 (0.726) C:NA T:79%**	pCi/L	09/06/19 11:40	13982-63-3	
Radium-228	EPA 904.0	**0.784 ± 0.439 (0.802) C:81% T:80%**	pCi/L	08/30/19 14:46	15262-20-1	
Strontium-90	ASTM D5811-95	**-1.45 ± 1.34 (2.61) C:104% T:NA**	pCi/L	09/03/19 19:48	10098-97-2	N2
Tritium	EPA 906.0	**-145 ± 131 (243) C:NA T:NA**	pCi/L	09/04/19 16:29	10028-17-8	
Total Uranium	ASTM D5174-97	**1.17 ± 0.037 (0.262) C:NA T:NA**	ug/L	09/09/19 16:48	7440-61-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 357929 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1738193 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.188 ± 0.320 (0.565) C:NA T:83%	pCi/L	09/06/19 10:59	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 357930 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1738194 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.641 ± 0.372 (0.675) C:80% T:84%	pCi/L	08/30/19 14:41	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 359135 Analysis Method: EPA 906.0
QC Batch Method: EPA 906.0 Analysis Description: 906.0 Tritium
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1743532 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-92.1 ± 133 (243) C:NA T:NA	pCi/L	09/04/19 07:16	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 358194 Analysis Method: ASTM D5174-97
QC Batch Method: ASTM D5174-97 Analysis Description: D5174.97 Total Uranium KPA
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1739387 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.018 ± 0.001 (0.262) C:NA T:NA	ug/L	09/03/19 15:52	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 358208 Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0 Analysis Description: 900.0 Gross Alpha/Beta
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1739413 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.267 ± 0.793 (1.92) C:NA T:NA	pCi/L	09/03/19 08:30	
Gross Beta	0.265 ± 0.820 (1.92) C:NA T:NA	pCi/L	09/03/19 08:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418338
Pace Project No.: 30320349

QC Batch: 358820 Analysis Method: ASTM D5811-95
QC Batch Method: ASTM D5811-95 Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

METHOD BLANK: 1742231 Matrix: Water
Associated Lab Samples: 30320349001, 30320349002, 30320349003, 30320349004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	-0.184 ± 0.323 (0.878) C:106% T:NA	pCi/L	09/03/19 08:47	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 418338
Pace Project No.: 30320349

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

WO# : 30320349

30320349

Subcontract Laboratory:

Pace PA - Sub
1638 Roseytown Rd., Suite
Greensburg, PA 15601
724-850-5600
ATTN: Jacquelyn Collins
PO# 1038435

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	900.0 Gross Alpha and Beta	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	903.1 Radiuum-226	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	904.0 Radium-228	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	905.0 Strontium-90	001
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	906.0 Tritium	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	908.0 Uranium	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	900.0 Gross Alpha and Beta	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	903.1 Radiuum-226	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	904.0 Radium-228	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	905.0 Strontium-90	002
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	906.0 Tritium	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	908.0 Uranium	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	900.0 Gross Alpha and Beta	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	903.1 Radiuum-226	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	904.0 Radium-228	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	905.0 Strontium-90	003
Water	08/14/19 12:30	SMBRP-12 (418338-003)	906.0 Tritium	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	908.0 Uranium	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	900.0 Gross Alpha and Beta	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	903.1 Radiuum-226	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	904.0 Radium-228	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	905.0 Strontium-90	004
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	906.0 Tritium	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	908.0 Uranium	

Note:
Standard TAT

Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Relinquished By	Received By:
Date/Time 8/15/19 1540	Date/Time
Date/Time	Date/Time

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalph

Project # # 30320349

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7760 0071-5142-5072

Label / LIMS Login

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Thermometer Used NA Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp — °C Correction Factor: — °C Final Temp: — °C

Temp should be above freezing to 6°C

pH paper Lot# 103587 Date and Initials of person examining contents: VMG 8/17/19

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: NA	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. See Comments mg 8/17/19
All containers meet method preservation requirements.		✓		Initial when completed: VMG Date/time of preservation: VMG 8/17/19 13:00
				Lot # of added preservative: DL19-0810
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: VMG Date: 8/17/19

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: Rcvd 6 bottles and 1 unpreserved Jar for each sample
418338-001 - added 2.5ml of HNO3 to (5) sample bottles - rcvd (1) preserved btls
418338-002 - added 2.5ml of HNO3 to (5) sample btls - rcvd (2) preserved btls
418338-003 - added 2.5ml of HNO3 to (5) sample btls - rcvd (2) preserved btls
418338-004 - added 2.5ml of HNO3 to (5) sample btls - rcvd (2) preserved btls

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-4817-1
Client Project/Site: 418338

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/25/2019 10:31:40 PM

Xuan Dang, Project Manager I
(714)895-5494
xuandang@eurofinsus.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 7
QC Association Summary 8
Lab Chronicle 9
Certification Summary 10
Method Summary 11
Sample Summary 12
Chain of Custody 13
Receipt Checklists 14

Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 570-4817-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-4817-1

Comments
No additional comments.

Receipt
The samples were received on 8/15/2019 5:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2º C.

GC Semi VOA
Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12951 and 570-12951 and analytical batch 570-12974.LCS/LCSD perform to meet QC requirement.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method(s) 1664A: The following samples required a copper clean-up to reduce matrix interferences caused by sulfur: MCWP-MW075 (418338-001) (570-4817-1), MCWP-MW07D (418338-002) (570-4817-2), SMBRP-12 (418338-003) (570-4817-3) and MCWP-MW09 (418338-004) (570-4817-4).

Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12951 and 570-12951.LCS/LCSD perform to meet QC requirement

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Client Sample ID: MCWP-MW075 (418338-001) — Lab Sample ID: 570-4817-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.24		1.18	0.941	mg/L	1		1664A	Total/NA

Client Sample ID: MCWP-MW07D (418338-002) — Lab Sample ID: 570-4817-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	3.76		1.18	0.941	mg/L	1		1664A	Total/NA

Client Sample ID: SMBRP-12 (418338-003) — Lab Sample ID: 570-4817-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	2.59		1.18	0.941	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	1.64	J	1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW09 (418338-004) — Lab Sample ID: 570-4817-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.00		1.18	0.941	mg/L	1		1664A	Total/NA

This Detection Summary does not include radiochemical test results.

General Chemistry

Client Sample ID: MCWP-MW075 (418338-001)
Date Collected: 08/14/19 08:30
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**4.24**		1.18	0.941	mg/L		08/16/19 10:22	08/16/19 11:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/15/19 20:48	1

Client Sample ID: MCWP-MW07D (418338-002)
Date Collected: 08/14/19 08:45
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**3.76**		1.18	0.941	mg/L		08/16/19 10:22	08/16/19 11:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/15/19 20:48	1

Client Sample ID: SMBRP-12 (418338-003)
Date Collected: 08/14/19 12:30
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**2.59**		1.18	0.941	mg/L		08/16/19 10:22	08/16/19 11:59	1
Biochemical Oxygen Demand	**1.64**	**J**	1.67	0.973	mg/L			08/15/19 20:48	1

Client Sample ID: MCWP-MW09 (418338-004)
Date Collected: 08/14/19 12:30
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**4.00**		1.18	0.941	mg/L		08/16/19 10:33	08/16/19 11:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/15/19 20:48	1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-12951/1-A
Matrix: Water
Analysis Batch: 12974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.800	mg/L		08/16/19 10:22	08/16/19 11:59	1

Lab Sample ID: LCS 570-12951/2-A
Matrix: Water
Analysis Batch: 12974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	37.00		mg/L		92	78 - 114

Lab Sample ID: LCSD 570-12951/3-A
Matrix: Water
Analysis Batch: 12974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	36.80		mg/L		92	78 - 114	1	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-13982/2
Matrix: Water
Analysis Batch: 13982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.8422		0.833	0.487	mg/L			08/15/19 20:48	1

Lab Sample ID: USB 570-13982/1
Matrix: Water
Analysis Batch: 13982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		0.833	0.487	mg/L			08/15/19 20:48	1

Lab Sample ID: LCS 570-13982/3
Matrix: Water
Analysis Batch: 13982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	199.9		mg/L		101	84.6 - 115.4

Lab Sample ID: 570-4817-4 DU
Matrix: Water
Analysis Batch: 13982

Client Sample ID: MCWP-MW09 (418338-004)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	ND		ND		mg/L		NC	25

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

General Chemistry

Prep Batch: 12951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4817-1	MCWP-MW075 (418338-001)	Total/NA	Water	1664A	
570-4817-2	MCWP-MW07D (418338-002)	Total/NA	Water	1664A	
570-4817-3	SMBRP-12 (418338-003)	Total/NA	Water	1664A	
570-4817-4	MCWP-MW09 (418338-004)	Total/NA	Water	1664A	
MB 570-12951/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-12951/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-12951/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 12974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4817-1	MCWP-MW075 (418338-001)	Total/NA	Water	1664A	12951
570-4817-2	MCWP-MW07D (418338-002)	Total/NA	Water	1664A	12951
570-4817-3	SMBRP-12 (418338-003)	Total/NA	Water	1664A	12951
570-4817-4	MCWP-MW09 (418338-004)	Total/NA	Water	1664A	12951
MB 570-12951/1-A	Method Blank	Total/NA	Water	1664A	12951
LCS 570-12951/2-A	Lab Control Sample	Total/NA	Water	1664A	12951
LCSD 570-12951/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	12951

Analysis Batch: 13982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4817-1	MCWP-MW075 (418338-001)	Total/NA	Water	SM5210B	
570-4817-2	MCWP-MW07D (418338-002)	Total/NA	Water	SM5210B	
570-4817-3	SMBRP-12 (418338-003)	Total/NA	Water	SM5210B	
570-4817-4	MCWP-MW09 (418338-004)	Total/NA	Water	SM5210B	
SCB 570-13982/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-13982/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-13982/3	Lab Control Sample	Total/NA	Water	SM5210B	
570-4817-4 DU	MCWP-MW09 (418338-004)	Total/NA	Water	SM5210B	

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Client Sample ID: MCWP-MW075 (418338-001)

Lab Sample ID: 570-4817-1

Date Collected: 08/14/19 08:30
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:22	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Client Sample ID: MCWP-MW07D (418338-002)

Lab Sample ID: 570-4817-2

Date Collected: 08/14/19 08:45
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:22	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Client Sample ID: SMBRP-12 (418338-003)

Lab Sample ID: 570-4817-3

Date Collected: 08/14/19 12:30
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:22	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Client Sample ID: MCWP-MW09 (418338-004)

Lab Sample ID: 570-4817-4

Date Collected: 08/14/19 12:30
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:33	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	ECL 1
SM5210B	BOD, 5 Day	SM	ECL 1
1664A	HEM and SGT-HEM (Aqueous)	1664A	ECL 1

Protocol References:

1664A = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-4817-1	MCWP-MW075 (418338-001)	Water	08/14/19 08:30	08/15/19 17:55	
570-4817-2	MCWP-MW07D (418338-002)	Water	08/14/19 08:45	08/15/19 17:55	
570-4817-3	SMBRP-12 (418338-003)	Water	08/14/19 12:30	08/15/19 17:55	
570-4817-4	MCWP-MW09 (418338-004)	Water	08/14/19 12:30	08/15/19 17:55	

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771 900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1038438

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1664_Total_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	5210B BOD_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1664_Total_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	5210B BOD_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1664_Total_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	5210B BOD_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1664_Total_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	5210B BOD_OUT	

Note:
Standard TAT

Relinquished By	Received By:
Sam R	pamyk
Date/Time 8/15/19 1755	Date/Time 8/15/19 17:55
Date/Time	Date/Time

570-4817 Chain of Custody

4.0/4.2 Scb

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-4817-1

Login Number: 4817
List Number: 1
Creator: Liao, Gineyau

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project # 418338
Samples Received: 08/16/2019

Analytical Report
0819-733

Method 1613B
2,3,7,8-TCDD

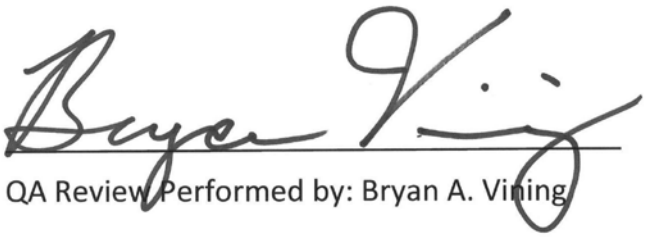
Enthalpy Analytical, LLC – Ultratrace

O: (910) 212-5858 / F: 910-212-5866
www.enthalpy.com
2714 Exchange Drive
Wilmington, NC 28405

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 22 pages.



QA Review Performed by: Bryan A. Vining

Report Issued Date: 03 SEP 19

ENTHALPY ANALYTICAL

Summary of Results

Summary of Results: I-TEF TEQ

Enthalpy Ultratrace Batch

10424

Method 1613B

Analyte	Method Blank pg/L	MCWP-MW075 (418338-001) pg/L	MCWP-MW07D (418338-002) pg/L	SMBRP-12 (418338-003) pg/L	MCWP-MW09 (418338-004) pg/L
2,3,7,8-TCDD	(1.3)	(1.29)	(1.23)	(1.29)	(1.24)
Lab Sample ID	LMB_10424_DF	0819-733_10424_001	0819-733_10424_002	0819-733_10424_003	0819-733_10424_004

Detailed Results

MCWP-MW075 (418338-001)								Detailed Results - Method 1613B
Client Details								
Client Sample ID:	MCWP-MW075 (418338-001)			Client Name:	Enthalpy-Orange			
Client Project ID:	418338			Sample Collection Date:	14-Aug-19		RRFs:	ICAL
Lab Job #:	0819-733	Matrix:	Aqueous	Date Received:	16-Aug-19			
Lab Sample ID:	0819-733_10424_001	Weight/Volume:	1.01	Date Extracted:	21-Aug-19			
QC Batch #:	10424	Split Factor:	1	Date Analyzed:	27-Aug-19			
Dilution:	-			Time Analyzed:	16:48:13			

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.29		U	ES 2,3,7,8-TCDD	66.5	
					CS 37Cl-2378-TCDD	76.9	
					AS 1368-TCDD	80.8	

MCWP-MW07D (418338-002)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	MCWP-MW07D (418338-002)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418338	**Sample Collection Date:**	**14-Aug-19**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-733**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-733_10424_002**	**Weight/Volume:**	**1.06**	**Date Extracted:**	**21-Aug-19**
QC Batch #:	**10424**	**Split Factor:**	**1**	**Date Analyzed:**	**27-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**17:36:24**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.23		U	ES 2,3,7,8-TCDD	71.6	
					CS 37Cl-2378-TCDD	77.6	
					AS 1368-TCDD	85.3	

SMBRP-12 (418338-003)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	SMBRP-12 (418338-003)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418338	**Sample Collection Date:**	**14-Aug-19**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-733**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-733_10424_003**	**Weight/Volume:**	**1.01**	**Date Extracted:**	**21-Aug-19**
QC Batch #:	**10424**	**Split Factor:**	**1**	**Date Analyzed:**	**27-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**18:24:35**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.29		U	ES 2,3,7,8-TCDD	70.3	
					CS 37Cl-2378-TCDD	74.8	
					AS 1368-TCDD	83.1	

MCWP-MW09 (418338-004)						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW09 (418338-004)		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	418338		**Sample Collection Date:**	**14-Aug-19**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0819-733**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**		
Lab Sample ID:	**0819-733_10424_004**	**Weight/Volume:**	**1.05**	**Date Extracted:**	**21-Aug-19**		
QC Batch #:	**10424**	**Split Factor:**	**1**	**Date Analyzed:**	**27-Aug-19**		
Dilution:	**-**			**Time Analyzed:**	**19:12:45**		

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.24		U	ES 2,3,7,8-TCDD	66.7	
					CS 37Cl-2378-TCDD	78.9	
					AS 1368-TCDD	88.4	

QC Data

Continuing Calibration — PCDD/Fs

	CS3-A	CS3-B
Concentration (pg/µL)	10	10
Standard ID	SIDAE90	SIDAE90
Acquisition Date	27-Aug-19	27-Aug-19
Acquisition Time	9:35:16	20:49:04

Analyte	RRF	RRF	ICAL RRFs	PD (CS3-A v. ICAL)	PD (CS3-B v. ICAL)	Average RRF	RPD (CS3s)
2,3,7,8-TCDD	1.06	1.13	1.17	-9.4	-3.4	1.10	6.4
ES 2,3,7,8-TCDD	0.97	1.00	1.02	-4.9	-2.0	0.99	3.0
CS 37Cl-2378-TCDD	1.09	1.15	1.24	-12.1	-7.3	1.12	5.4
AS 1368-TCDD	1.11	1.10	1.04	6.7	5.8	1.11	0.9
Analyte	Area	Area					
JS 1234-TCDD	1428941	1429810					

OPR				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_10424_DF	Final Vol. (uL)	20.0	Date Extracted:	21-Aug-19
QC Batch #:	10424	Split Factor:	1	Date Analyzed:	27-Aug-19
Dilution:	-			Time Analyzed:	10:23:04

Analyte	Conc. (pg)	DL (pg)	EMPC (pg)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	9.83				ES 2,3,7,8-TCDD	114	
					CS 37Cl-2378-TCDD	113	
					AS 1368-TCDD	128	

OPR Demonstration Data (TCDD Only)

Batch ID#: 10424

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	9.8	7.3	14.6	Y	ES 2,3,7,8-TCDD	114	25	141	Y
					CS 2,3,7,8-TCDD	11	3.7	15.8	Y

Method Blank				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	LMB_10424_DF	Weight/Volume:	1.00	Date Extracted:	21-Aug-19
QC Batch #:	10424	Split Factor:	1	Date Analyzed:	27-Aug-19
Dilution:	-			Time Analyzed:	12:47:26

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.30		U	ES 2,3,7,8-TCDD	77.9	
					CS 37Cl-2378-TCDD	77.2	
					AS 1368-TCDD	87.0	

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy Analytical - Orange
Job#	0819-733 EPA 1613B
Client Project #	418338

Custody	Robin Appelle of Enthalpy Analytical Wilmington received all samples (via FedEx) 08/16/19 on ice at 4.5°C in good condition. Prior to, during, and after analysis, the samples were stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, LLC.
Analysis	The samples were analyzed by EPA Method 1613B for PCDDs/PCDFs only using Agilent Technologies Model# 6890 High-Resolution GC/ Waters High-Resolution Mass-Spectrometer (HRGC/HRMS "Gandalf"). After sampling by the client, the laboratory spiked the sample with Extraction Standard (ES), then extracted by separatory funnel with Hexane. After solvent exchange, the extract was spiked with Alternate Standard (AS) and CS (Clean Up Standard). Cleanup procedures were performed on the extract. The final sample extract was transferred to an autosampler vial and spiked with 20 µL of Injection Standard (JS), prior to analysis.
Calibration	The analytes and labeled standards in the initial calibration exhibited RSDs less than 20%. The continuing calibration and batch control spike met the 20% criterion for native analytes, and met the 30% criterion for the labeled standards.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. The QC injections passed all method criteria. Labeled and standard recovery values were acceptable. The sample was extracted within the 30-day from collection holding time. The extract was analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	The Toxic equivalency quotient (TEQ) was calculated and reported to the client using the I-TEFs (International toxic equivalency factor) and the WHO-2005 TEF (World Health Organization), calculated using several different methods. The Totals and Detection Limits have been included in the report. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Reporting Notes (continued)	The results presented in this report are representative of the samples as provided to the laboratory. The samples, calibrations and standards for the data presented in this report were analyzed at 2714 Exchange Drive, Wilmington, NC 28405.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc.-Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers / Data Attributes

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- C – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve).
- EMPC – Represents an estimated maximum possible concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
- J – Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
- L - Indicates that an analyte has a concentration below the Minimum Detection Limit (MDL).
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable.
- PR – Due to interference, the associated congener is poorly resolved.
- DI – Indicates the presence of a quantitative interference.
- SI – Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected. The Estimated Detection Limit (EDL) may be reported for this analyte.
- V – The labeled standard recovery was found to be outside of the method control limits.

DRBC/TMDL Specific Data Qualifiers / Data Attributes

- J – The reported result is an estimate. The value is less than the minimum calibration level but greater than the Estimated Detection Limit (EDL).
- U – The analyte was not detected in the sample at the Estimated Detection Limit (EDL).

- E – The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
- D – Dilution Data. Result was obtained from the analysis of a dilution.
- B – Analyte found in the sample and associated method blank.
- Cxx – Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'xx' denotes the IUPAC number with the lowest numerical designated congener.
- NR – Analyte is not reportable because of problems in sample preparation or analysis.
- V – Labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.
- EMPC – Estimated Maximum Possible Concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

Lab Identifiers

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.

Sample Custody

0819-733

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
Standard TAT

2,3,7,8-TCDD only

Relinquished By	**Received By**
Date/Time 8/15/19 1650	Date/Time 8/16/19 1315 4.5°C T9
Date/Time	Date/Time

FedEx, 7760 0071 9387, On Ice, Good condition, No seals 8/16/19

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To:	Project Manager Enthalpy Analytical	**From:**	Tyler D Miller
		AmeriSci Job #:	919081519
Fax #:		**Subject:**	Water (waste) 5 day Results
		Client Project:	418338
Email:	incomingreports@enthalpy.com,Ranjit.Clarke@enthalpy.com		

Date: Wednesday, August 21, 2019
Time: 13:16:23
Comments:

Number of Pages: 3 (including cover sheet)

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Job #: **919081519**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

418338

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	MCWP-MW075 (418338-001)	0.0003	4	NSD	NSD	5.79	<5.79	<5.79	----
02	MCWP-MW07D (418338-002)	0.02	4	NSD	NSD	0.17	<0.17	<0.17	----
03	SMBRP-12 (418338-003)	0.005	4	NSD	NSD	0.35	<0.35	<0.35	----
04	MCWP-MW09 (418338-004)	0.02	4	1	1	0.17	0.17	0.17	amphibole

*fiber criteria (>=0.5 microns, 5:1 aspect ratio); NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter.

NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1), waste water by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Samples are refrigerated upon receipt when necessary and filtered within four hours.

Reviewed By: _____ ; Analyzed By: _____ Date: 8/16/2019

Tyler D Miller

9190815|9

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

AmeriSci - Sub
24416 S Main St. # 308
Carson, CA 90745

ATTN: Glenn Massey
PO# 1038437

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☐ EDD ☐ EDF ☐ EDT

Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	100.1 Asbestos	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	100.1 Asbestos	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	100.1 Asbestos	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	100.1 Asbestos	

4°C

Note:
5 Day TAT

Relinquished By	**Received By:**
Sam R	
Date/Time 8/15/19 1735	Date/Time 8/15/19 ~~17:35~~ 18:35 GL
Date/Time	Date/Time

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual
Ground Water
15-01587

Final report

Lab Request: 418266
Report Date: 12/02/2019
Date Received: 08/13/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
418266-001	LAMW-5S
418266-002	SMBRP-9
418266-003	SMBRP-11
418266-004	MCWP-MW04S
418266-005	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:30 **Site:**
Sample #: 418266-001 **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.010**	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.45 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**11.4**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.346**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**79.4**	1	0.093	0.1	mg/L		08/20/19	KLN	
Copper	**0.032**	1	0.008	0.01	mg/L		08/15/19	KLN	
Iron	**0.452**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**26.6**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.016**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**5.19**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**85.9**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205374
Aluminum	**220**	10	33	100	ug/L		08/15/19	JP	
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	**3.83 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**28.1 J**	10	6.1	50	ug/L		08/15/19	JP	J
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**9.91 J**	10	1.18	10	ug/L		08/15/19	JP	B1,J
Copper	**6.06**	10	1.86	5	ug/L		08/15/19	JP	
Lead	ND	10	0.84	5	ug/L		08/15/19	JP	D2
Nickel	**22.2**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	ND	10	1.72	20	ug/L		08/15/19	JP	D2
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205357
Chloride	**102**	1	0.086	1	mg/L	08/13/19	08/14/19 11:04	CO	
Nitrate + Nitrite, as Nitrogen	**10.9**	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:04	CO	
Nitrate, as Nitrogen	**10.9**	1	0.012	0.1	mg/L	08/13/19	08/14/19 11:04	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:04	CO	
Sulfate	**88.6**	1	0.077	1	mg/L	08/13/19	08/14/19 11:04	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:30 **Site:**
Sample #: 418266-001 **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	1	0.303	2	ug/L		08/14/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/14/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/14/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/14/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/14/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/14/19	LZ	
Bromodichloromethane	**0.31 J**	1	0.27	0.5	ug/L		08/14/19	LZ	J
Bromoform	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/14/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/14/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/14/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/14/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/14/19	LZ	
Chloroform	**17**	1	0.17	0.5	ug/L		08/14/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/14/19	LZ	
Methylene chloride	**2.4**	1	0.5	0.5	ug/L		08/14/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/14/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/14/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/14/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/14/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-145*	
4-Bromofluorobenzene (SUR)	*109*	*70-145*	
Dibromofluoromethane (SUR)	*101*	*70-145*	
Toluene-d8 (SUR)	*108*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:30 **Site:**
Sample #: 418266-001 **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 531.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/14/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/14/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-135*	
4-Bromofluorobenzene (SUR)	*109*	*70-135*	
Dibromofluoromethane (SUR)	*101*	*70-135*	
Toluene-d8 (SUR)	*108*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**11**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**260**	1	5	5	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	1	5	5	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	1	5	5	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**210**	1	0.38	5	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.34**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**582**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	**9.4**	1.11	0.555	0.555	mg/L	08/14/19	08/14/19	NP	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:30 **Site:**
Sample #: 418266-001 **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	**0.0030 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**0.341**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**6.99**	1			pH Units	08/14/19 00:00	08/14/19 10:58		T2
Temp. at Time of pH Measurement	**12.4**	1			°C	08/14/19 00:00	08/14/19 10:58		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	**0.081 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.527**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**2.26**	5	0.05	0.1	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**6.93**	5	0.15	0.3	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**7.72**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	**0.33**	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**1.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 08:30 **Site:**
Sample #: 418266-002 **Client Sample #:** SMBRP-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022 Prep Method: None							QCBatchID:		
Chromium Trivalent	**0.028**	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.34 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**9.55**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1694M Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1205434
Boron	**0.671**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**66.8**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**23.5**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**173**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.468**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**5.96**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**386**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1205374
Aluminum	**11300**	10	33	100	ug/L		08/15/19	JP	
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	**8.47 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**106**	10	6.1	50	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**30.9**	10	1.18	10	ug/L		08/15/19	JP	
Copper	**17.5**	10	1.86	5	ug/L		08/15/19	JP	
Lead	**8.16**	10	0.84	5	ug/L		08/15/19	JP	
Nickel	**21.3**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	**3.80 J**	10	1.72	20	ug/L		08/15/19	JP	J
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	**18.1**	10	6.98	10	ug/L		08/15/19	JP	
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Chloride	**190**	20	1.72	20	mg/L	08/13/19	08/23/19 01:20	CO	
Nitrate + Nitrite, as Nitrogen	**9.19**	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:24	CO	
Nitrate, as Nitrogen	**9.19**	1	0.012	0.1	mg/L	08/13/19	08/14/19 11:24	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:24	CO	
Sulfate	**315**	20	1.54	20	mg/L	08/13/19	08/23/19 01:20	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 08:30 **Site:**
Sample #: **418266-002** **Client Sample #:** SMBRP-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	2	0.606	4	ug/L		08/14/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/14/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/14/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/14/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/14/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/14/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/14/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/14/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/14/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/14/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/14/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/14/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/14/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/14/19	LZ	
Methylene chloride	**2.7**	1	0.5	0.5	ug/L		08/14/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/14/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/14/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/14/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/14/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*107*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 08:30 **Site:**
Sample #: 418266-002 **Client Sample #:** SMBRP-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/14/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/14/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-135*	
4-Bromofluorobenzene (SUR)	*107*	*70-135*	
Dibromofluoromethane (SUR)	*105*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**300**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**1100**	10	50	50	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	10	50	50	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	10	50	50	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**860**	10	3.8	50	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**0.22**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**1540**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	**704**	10	5	5	mg/L	08/14/19	08/14/19	NP	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 08:30	**Site:**			
Sample #:	**418266-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**1.22**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**7.16**	1			pH Units	08/14/19 00:00	08/14/19 11:00		T2
Temp. at Time of pH Measurement	**12.5**	1			°C	08/14/19 00:00	08/14/19 11:00		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	**0.016 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.359 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**0.087**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.267**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**6.03**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	ND	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**<1**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**13**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:00 **Site:**
Sample #: 418266-003 **Client Sample #:** SMBRP-11 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022 Prep Method: None							QCBatchID:		
Chromium Trivalent	**0.011**	1	0.002	0.01	mg/L		10/31/19	SLL	
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.29 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**4.38**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1694M Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1205434
Boron	**0.802**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**141**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**8.31**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**61.2**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**1.36**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**5.89**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**208**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1205374
Aluminum	**4150**	10	33	100	ug/L		08/15/19	JP	
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	**2.64 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**87.2**	10	6.1	50	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**11.4**	10	1.18	10	ug/L		08/15/19	JP	
Copper	**9.60**	10	1.86	5	ug/L		08/15/19	JP	
Lead	**2.44 J**	10	0.84	5	ug/L		08/15/19	JP	J
Nickel	**24.5**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	**4.70 J**	10	1.72	20	ug/L		08/15/19	JP	J
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Chloride	**232**	20	1.72	20	mg/L	08/13/19	08/23/19 01:46	CO	
Nitrate + Nitrite, as Nitrogen	**2.88**	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:44	CO	
Nitrate, as Nitrogen	**2.88**	1	0.012	0.1	mg/L	08/13/19	08/14/19 11:44	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:44	CO	
Sulfate	**243**	20	1.54	20	mg/L	08/13/19	08/23/19 01:46	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:00 **Site:**
Sample #: **418266-003** **Client Sample #:** SMBRP-11 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	1	0.303	2	ug/L		08/14/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	**0.46 J**	1	0.17	0.5	ug/L		08/15/19	LZ	J
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	ND	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*107*	*70-145*	
Dibromofluoromethane (SUR)	*106*	*70-145*	
Toluene-d8 (SUR)	*106*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/13/2019 13:00	**Site:**				
Sample #: 418266-003	**Client Sample #:** SMBRP-11		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
Glyphosate	**See Attached**	1		25	ug/L				
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
Endothall	**See Attached**	1		45	ug/L				
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-135*	
4-Bromofluorobenzene (SUR)	*107*	*70-135*	
Dibromofluoromethane (SUR)	*106*	*70-135*	
Toluene-d8 (SUR)	*106*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**240**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**390**	5	25	25	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	5	25	25	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	5	25	25	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**320**	5	1.9	25	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.02**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**1140**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 13:00	**Site:**			
Sample #:	**418266-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Total Suspended Solids	**286**	10	5	5	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1205463
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID:		QC1205643
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C Prep Method: Method							QCBatchID:		QC1205378
Fluoride	**0.522**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205372
pH	**6.97**	1			pH Units	08/14/19 00:00	08/14/19 11:03		T2
Temp. at Time of pH Measurement	**12.6**	1			°C	08/14/19 00:00	08/14/19 11:03		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	**1.21**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205550
Total Kjeldahl Nitrogen	**1.5**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205707
Total Phosphorous as P	**0.295**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.904**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1205571
Total Organic Carbon (TOC)	**14.5**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1205484
MBAS	**0.033 J**	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	J
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**2.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**86**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:45 **Site:**
Sample #: 418266-004 **Client Sample #:** MCWP-MW04S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022 Prep Method: None							QCBatchID:		
Chromium Trivalent	**0.004 J**	1	0.002	0.01	mg/L		10/31/19	SLL	J
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.87**	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.66**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1694M Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1205434
Boron	**1.61**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**488**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**0.149**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**260**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.202**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**1.61**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**804**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1205374
Aluminum	**67.0 J**	10	33	100	ug/L		08/15/19	JP	J
Antimony	**3.73 J**	10	2.28	5	ug/L		08/15/19	JP	B1,J
Arsenic	**12.9 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**15.7 J**	10	6.1	50	ug/L		08/15/19	JP	J
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**4.41 J**	10	1.18	10	ug/L		08/15/19	JP	B1,J
Copper	**17.8**	10	1.86	5	ug/L		08/15/19	JP	
Lead	ND	10	0.84	5	ug/L		08/15/19	JP	D2
Nickel	**27.3**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	**143**	10	1.72	20	ug/L		08/15/19	JP	
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Chloride	**578**	20	1.72	20	mg/L	08/13/19	08/23/19 02:12	CO	
Nitrate + Nitrite, as Nitrogen	**1.74**	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:04	CO	
Nitrate, as Nitrogen	**1.74**	1	0.012	0.1	mg/L	08/13/19	08/14/19 12:04	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:04	CO	
Sulfate	**2510**	50	3.85	50	mg/L	08/13/19	08/23/19 12:41	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:45 **Site:**
Sample #: **418266-004** **Client Sample #:** MCWP-MW04S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	5	1.515	10	ug/L		08/14/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**2.1**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*108*	*70-145*	
Dibromofluoromethane (SUR)	*104*	*70-145*	
Toluene-d8 (SUR)	*106*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:45 **Site:**
Sample #: 418266-004 **Client Sample #:** MCWP-MW04S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	
Surrogate	*% Recovery*		*Limits*		*Notes*				
1,2-Dichloroethane-d4 (SUR)	*94*		*70-135*						
4-Bromofluorobenzene (SUR)	*108*		*70-135*						
Dibromofluoromethane (SUR)	*104*		*70-135*						
Toluene-d8 (SUR)	*106*		*70-135*						
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**3.1**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**750**	5	25	25	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	5	25	25	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	5	25	25	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**610**	5	1.9	25	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**1.27**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**5710**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	**11.6**	1.11	0.555	0.555	mg/L	08/14/19	08/14/19	NP	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 11:45	**Site:**			
Sample #:	**418266-004**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	**0.0090 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**0.711**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**7.66**	1			pH Units	08/14/19 00:00	08/14/19 11:05		T2
Temp. at Time of pH Measurement	**13.0**	1			°C	08/14/19 00:00	08/14/19 11:05		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	**0.054 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.923**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**0.335**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**1.027**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**24.4**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	**0.27**	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**<1**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**13**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: 418266-005 **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent	**0.004 J**	1	0.002	0.01	mg/L		10/31/19	SLL	J
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.13 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.72**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.878**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**190**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**0.032**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**107**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.009 J**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**2.79**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**201**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205374
Aluminum	ND	10	33	100	ug/L		08/15/19	JP	D2
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	ND	10	1.88	20	ug/L		08/15/19	JP	D2
Barium	**35.2 J**	10	6.1	50	ug/L		08/15/19	JP	J
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**4.00 J**	10	1.18	10	ug/L		08/15/19	JP	B1,J
Copper	**2.53 J**	10	1.86	5	ug/L		08/15/19	JP	B1,J
Lead	ND	10	0.84	5	ug/L		08/15/19	JP	D2
Nickel	**9.26 J**	10	5.49	10	ug/L		08/15/19	JP	J
Selenium	**2.49 J**	10	1.72	20	ug/L		08/15/19	JP	J
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205357
Chloride	**228**	20	1.72	20	mg/L	08/13/19	08/23/19 02:38	CO	
Nitrate + Nitrite, as Nitrogen	**1.59**	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:33	CO	
Nitrate, as Nitrogen	**1.59**	1	0.012	0.1	mg/L	08/13/19	08/14/19 12:33	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:33	CO	
Sulfate	**530**	20	1.54	20	mg/L	08/13/19	08/23/19 02:38	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: **418266-005** **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	2	0.606	4	ug/L		08/14/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**2.2**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromofluoromethane (SUR)	*107*	*70-145*	
Toluene-d8 (SUR)	*104*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: 418266-005 **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-135*	
4-Bromofluorobenzene (SUR)	*105*	*70-135*	
Dibromofluoromethane (SUR)	*107*	*70-135*	
Toluene-d8 (SUR)	*104*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**0.48**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**390**	5	25	25	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	5	25	25	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	5	25	25	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**320**	5	1.9	25	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**0.28**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**1540**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	ND	1.11	0.555	0.555	mg/L	08/14/19	08/14/19	NP	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: 418266-005 **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	**0.0030 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**0.615**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**7.19**	1			pH Units	08/14/19 00:00	08/14/19 11:07		T2
Temp. at Time of pH Measurement	**13.9**	1			°C	08/14/19 00:00	08/14/19 11:07		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.134 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**0.070**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.215**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**6.52**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	ND	1	0.027	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**<2**	2			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**2.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

QCBatchID: QC1205317 **Analyst:** sbailey-woo **Method:** EPA 314.0

Matrix: Water **Analyzed:** 08/13/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205317MB1					
Perchlorate	ND	ug/L	0.303	4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205317LCS1											
Perchlorate	50		53		ug/L	106			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205317MS1, QC1205317MSD1												**Source: 418195-001**
Perchlorate	ND	50	50	48	49	ug/L	96	98	2.1	80-120	20	

QCBatchID:	**QC1205348**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205348DUP1						**Source: 418228-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1205349**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205349DUP1						**Source: 418228-001**
Turbidity	0.38	0.38	NTU	0.0	20	

QCBatchID:	**QC1205350**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205350DUP1						**Source: 418266-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1205357 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/13/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205357MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	ND	mg/L	0.086	1	
Fluoride	ND	mg/L	0.093	0.2	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205357LCS1											
Bromide	15		14.7		mg/L	98			90-110		
Chloride	100		102		mg/L	102			90-110		
Fluoride	20		21.2		mg/L	106			90-110		
Nitrate, as Nitrogen	9.03		8.86		mg/L	98			90-110		
Nitrite, as Nitrogen	9.15		9.65		mg/L	105			90-110		
Sulfate	50		46.0		mg/L	92			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205357MS1, QC1205357MSD1												**Source: 418202-001**
Bromide	0.293	15	15	14.9	15.6	mg/L	97	102	4.6	80-120	20	
Chloride	86.8	100	100	183	196	mg/L	96	109	6.9	80-120	20	
Fluoride	0.514	20	20	21.8	24.5	mg/L	106	120	11.7	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	8.87	9.33	mg/L	98	103	5.1	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.24	9.90	mg/L	101	108	6.9	80-120	20	
Sulfate	13.1	50	50	61.6	62.2	mg/L	97	98	1.0	80-120	20	
QC1205357MS2, QC1205357MSD2												**Source: 418205-001**
Bromide	0.305	15	15	15.0	15.4	mg/L	98	101	2.6	80-120	20	
Chloride	83.9	100	100	181	187	mg/L	97	103	3.3	80-120	20	
Fluoride	0.626	20	20	21.9	22.1	mg/L	106	107	0.9	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.00	9.17	mg/L	100	102	1.9	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.32	9.57	mg/L	102	105	2.6	80-120	20	
Sulfate	13.0	50	50	61.9	60.5	mg/L	98	95	2.3	80-120	20	

QCBatchID:	QC1205372	**Analyst:**	cmorales	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205372DUP1						**Source: 418266-001**
pH	6.99	7.00	pH Units	0.1	20	
Temp. at Time of pH Measurement	12.4	12.4	°C	0.0	20	
QC1205372DUP2						**Source: 418311-001**
pH	7.10	7.11	pH Units	0.1	20	
Temp. at Time of pH Measurement	21.8	21.8	°C	0.0	20	

QCBatchID: QC1205374 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result		Units	MDL	RDL	Notes
QC1205374MB1						
Aluminum	ND		ug/L	3.3	10	
Antimony	**0.246**	**J**	ug/L	0.228	0.5	
Arsenic	**0.237**	**J**	ug/L	0.188	2	
Barium	ND		ug/L	0.61	5	
Beryllium	ND		ug/L	0.168	0.5	
Boron	ND		ug/L	0.95	5	
Cadmium	ND		ug/L	0.157	0.2	
Chromium	**0.771**	**J**	ug/L	0.118	1	
Copper	**0.466**	**J**	ug/L	0.186	0.5	
Iron	**17.4**	**J**	ug/L	8.2	25	
Lead	ND		ug/L	0.084	0.5	
Manganese	ND		ug/L	0.16	10	
Nickel	ND		ug/L	0.549	1	
Selenium	ND		ug/L	0.172	2	
Silver	ND		ug/L	0.0083	0.2	
Thallium	ND		ug/L	0.141	1	
Zinc	ND		ug/L	0.698	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205374LCS1											
Aluminum	50		46.2		ug/L	92			85-115		
Antimony	50		53.5		ug/L	107			85-115		
Arsenic	50		48.7		ug/L	97			85-115		
Barium	50		50.5		ug/L	101			85-115		
Beryllium	50		43.5		ug/L	87			85-115		
Boron	50		51.4		ug/L	103			85-115		
Cadmium	50		50.2		ug/L	100			85-115		
Chromium	50		49.3		ug/L	99			85-115		
Copper	50		49.0		ug/L	98			85-115		
Iron	50		51.5		ug/L	103			85-115		
Lead	50		52.9		ug/L	106			85-115		
Manganese	50		50.5		ug/L	101			85-115		
Nickel	50		52.8		ug/L	106			85-115		
Selenium	50		48.8		ug/L	98			85-115		
Silver	50		48.5		ug/L	97			85-115		
Thallium	50		51.4		ug/L	103			85-115		
Zinc	50		50.6		ug/L	101			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205374MS1												**Source: 418228-001**
Aluminum	ND	50		47.6		ug/L	95			85-115		
Antimony	0.462	50		55.4		ug/L	110			85-115		
Arsenic	ND	50		48.6		ug/L	97			85-115		
Barium	ND	50		51.7		ug/L	103			85-115		
Beryllium	ND	50		41.8		ug/L	84			85-115		M
Boron	61.6	50		108		ug/L	93			85-115		
Cadmium	ND	50		49.4		ug/L	99			85-115		
Chromium	1.12	50		49.5		ug/L	97			85-115		

QCBatchID: QC1205374 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205374MS1												**Source: 418228-001**
Copper	ND	50		48.3		ug/L	97			85-115		
Iron	ND	50		50.3		ug/L	101			85-115		
Lead	ND	50		50.2		ug/L	100			85-115		
Manganese	ND	50		50.0		ug/L	100			85-115		
Nickel	ND	50		49.6		ug/L	99			85-115		
Selenium	ND	50		44.9		ug/L	90			85-115		
Silver	ND	50		47.3		ug/L	95			85-115		
Thallium	ND	50		49.9		ug/L	100			85-115		
Zinc	ND	50		50.2		ug/L	100			85-115		

QCBatchID: QC1205378 **Analyst:** npham **Method:** SM 4500-F-C

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205378MB1					
Fluoride	ND	mg/L	0.003	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205378LCS1											
Fluoride	0.92		0.981		mg/L	107			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205378MS1, QC1205378MSD1												**Source: 418228-001**
Fluoride	0.008	1	1	1.00	1.03	mg/L	99	102	3.0	75-125	20	

QCBatchID: QC1205384 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205384MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205384LCS1											
Ammonia, as Nitrogen	2.5		2.38		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205384MS1, QC1205384MSD1												**Source: 418270-001**
Ammonia, as Nitrogen	0.098	2.5	2.5	2.50	2.50	mg/L	96	96	0.0	80-120	20	

QCBatchID: QC1205401 **Analyst:** lucy **Method:** EPA 624

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205401MB1					
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,2-Dibromoethane	ND	ug/L	0.043	0.5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	1	
Acrolein	ND	ug/L	3.3	5	
Acrylonitrile	ND	ug/L	1.6	2	
Benzene	ND	ug/L	0.071	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Toluene	ND	ug/L	0.078	0.5	
Trichloroethene	ND	ug/L	0.078	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401LCS1											
1,1-Dichloroethene	50		50		ug/L	100			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		53		ug/L	106			60-133		
Toluene	50		54		ug/L	108			59-139		
Trichloroethene	50		53		ug/L	106			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401MS1, QC1205401MSD1												**Source: 418235-001**
1,1-Dichloroethene	ND	50	50	56	54	ug/L	112	108	3.6	59-172	22	
Benzene	ND	50	50	53	51	ug/L	106	102	3.8	62-137	24	
Chlorobenzene	ND	50	50	55	54	ug/L	110	108	1.8	60-133	21	
Toluene	ND	50	50	56	56	ug/L	112	112	0.0	59-139	21	
Trichloroethene	ND	50	50	58	57	ug/L	116	114	1.7	66-142	21	

QCBatchID: QC1205402	**Analyst:** lucy	**Method:** EPA 524.2	
Matrix: Water	**Analyzed:** 08/14/2019	**Instrument:** VOA-MS (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.37	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.22	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.25	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.2	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.45	0.5	
1,1-Dichloroethane	ND	ug/L	0.24	0.5	
1,1-Dichloroethene	ND	ug/L	0.31	0.5	
1,1-Dichloropropene	ND	ug/L	0.38	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.35	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.52	0.5	
1,2-Dibromoethane	ND	ug/L	0.33	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.37	0.5	
1,2-Dichloroethane	ND	ug/L	0.2	0.5	
1,2-Dichloropropane	ND	ug/L	0.35	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.45	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.44	0.5	
1,3-Dichloropropane	ND	ug/L	0.17	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.34	0.5	
2,2-Dichloropropane	ND	ug/L	0.39	0.5	
2-Chlorotoluene	ND	ug/L	0.36	0.5	
4-Chlorotoluene	ND	ug/L	0.34	0.5	
4-Isopropyltoluene	ND	ug/L	0.41	0.5	
Benzene	ND	ug/L	0.27	0.5	
Bromobenzene	ND	ug/L	0.26	0.5	
Bromochloromethane	ND	ug/L	0.26	0.5	
Bromodichloromethane	ND	ug/L	0.27	0.5	
Bromoform	ND	ug/L	0.34	0.5	
Bromomethane	ND	ug/L	0.42	0.5	
Carbon Tetrachloride	ND	ug/L	0.26	0.5	
Chlorobenzene	ND	ug/L	0.19	0.5	
Chlorodibromomethane	ND	ug/L	0.36	0.5	
Chloroethane	ND	ug/L	0.47	0.5	
Chloroform	ND	ug/L	0.17	0.5	
Chloromethane	ND	ug/L	0.45	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.22	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.34	0.5	
Dibromomethane	ND	ug/L	0.3	0.5	
Dichlorodifluoromethane	ND	ug/L	0.45	0.5	
Ethylbenzene	ND	ug/L	0.2	0.5	
Hexachlorobutadiene	ND	ug/L	0.22	0.5	
Isopropylbenzene	ND	ug/L	0.42	0.5	
m and p-Xylene	ND	ug/L	0.51	0.5	
Methylene chloride	**3.6**	ug/L	0.5	0.5	B
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.1	0.5	
Naphthalene	ND	ug/L	0.1	0.5	
N-butylbenzene	ND	ug/L	0.49	0.5	
N-propylbenzene	ND	ug/L	0.35	0.5	
o-Xylene	ND	ug/L	0.32	0.5	
Sec-butylbenzene	ND	ug/L	0.39	0.5	
Styrene	ND	ug/L	0.29	0.5	

QCBatchID: QC1205402 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
Tert-butylbenzene	ND	ug/L	0.39	0.5	
Tetrachloroethene	ND	ug/L	0.4	0.5	
Toluene	ND	ug/L	0.3	0.5	
Total Trihalomethanes (THM's)	ND	ug/L	0.31	1	
trans-1,2-dichloroethene	ND	ug/L	0.21	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.24	0.5	
Trichloroethene	ND	ug/L	0.44	0.5	
Trichlorofluoromethane	ND	ug/L	0.3	0.5	
Vinyl Chloride	ND	ug/L	0.3	0.5	
Xylenes (Total)	ND	ug/L	0.51	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402LCS1											
1,1-Dichloroethene	50		49		ug/L	98			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		51		ug/L	102			60-133		
Methyl-t-butyl Ether (MTBE)	50		46		ug/L	92			62-137		
Toluene	50		52		ug/L	104			59-139		
Trichloroethene	50		52		ug/L	104			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402MS1												**Source: 418264-003**
1,1-Dichloroethene	ND	50		55		ug/L	110			59-172		
Benzene	ND	50		52		ug/L	104			62-137		
Chlorobenzene	ND	50		55		ug/L	110			60-133		
Methyl-t-butyl Ether (MTBE)	ND	50		49		ug/L	98			62-137		
Toluene	ND	50		57		ug/L	114			59-139		
Trichloroethene	ND	50		58		ug/L	116			66-142		

QCBatchID: QC1205434 **Analyst:** sbailey-woo **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205434MB1					
Boron	ND	mg/L	0.03	0.05	
Calcium	ND	mg/L	0.093	0.1	
Copper	ND	mg/L	0.008	0.01	
Iron	ND	mg/L	0.019	0.02	
Magnesium	ND	mg/L	0.046	0.1	
Manganese	ND	mg/L	0.006	0.01	
Potassium	ND	mg/L	0.167	0.5	
Sodium	ND	mg/L	0.119	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434LCS1											
Boron	2		2.04		mg/L	102			85-115		
Calcium	20		22.7		mg/L	114			85-115		
Copper	2		2.21		mg/L	111			85-115		
Iron	2		2.22		mg/L	111			85-115		
Magnesium	20		22.5		mg/L	113			85-115		
Manganese	2		2.08		mg/L	104			85-115		
Potassium	38		39.0		mg/L	103			85-115		
Sodium	20		21.4		mg/L	107			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434MS1												**Source: 418266-001**
Boron	0.346	1		1.37		mg/L	102			75-125		
Calcium	79.4	20		112		mg/L	163			75-125		M
Copper	0.032	1		1.07		mg/L	104			75-125		
Iron	0.452	1		1.56		mg/L	111			75-125		
Magnesium	26.6	20		52.2		mg/L	128			75-125		M
Manganese	0.016	1		1.03		mg/L	101			75-125		
Potassium	5.19	29		37.1		mg/L	110			75-125		
Sodium	85.9	20		116		mg/L	151			75-125		M

QCBatchID:	**QC1205442**	**Analyst:**	wei	**Method:**	SM 2540-C
Matrix:	Water	**Analyzed:**	08/16/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205442MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205442LCS1											
Total Dissolved Solids	95		96.0		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205442DUP1						**Source: 418246-001**
Total Dissolved Solids	19000	19400	mg/L	2.1	5	

QCBatchID: QC1205462 **Analyst:** cmorales **Method:** EPA 245.1

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP-HG1

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205462MB1					
Mercury	ND	ug/L	0.094	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205462LCS1											
Mercury	5		5.41		ug/L	108			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205462MS1, QC1205462MSD1												**Source: 418307-001**
Mercury	ND	5	5	5.21	5.14	ug/L	104	103	1.4	75-125	20	

QCBatchID: QC1205463 **Analyst:** wei **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205463MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205463LCS1											
Chlorine, Total Residual	1		0.98		mg/L	98			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205463DUP1						**Source: 418236-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1205470**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205470MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205470DUP1						**Source: 418189-003**
Total Suspended Solids	184	190	mg/L	3.2	5	

QCBatchID: QC1205484 **Analyst:** trinh **Method:** SM 5540-C

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205484MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205484LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205484MS1, QC1205484MSD1												**Source: 418195-001**
MBAS	0.012	1	1	1.1	1.1	mg/L	109	109	0.0	75-125	20	

QCBatchID: QC1205550 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/17/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205550MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.03	0.133	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205550LCS1											
Total Kjeldahl Nitrogen	2.5		2.45		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205550MS1, QC1205550MSD1												**Source: 418228-001**
Total Kjeldahl Nitrogen	0.284	12.5	12.5	12.6	13.1	mg/L	99	103	3.9	80-120	20	

QCBatchID: QC1205552 **Analyst:** wei **Method:** SM 2320-B

Matrix: Water **Analyzed:** 08/17/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205552MB1					
Bicarbonate (HCO3)	ND	mg/L	5	5	
Carbonate (CO3)	ND	mg/L	5	5	
Hydroxide (OH)	ND	mg/L	5	5	
Total Alkalinity (as CaCO3)	ND	mg/L	0.38	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205552LCS1											
Total Alkalinity (as CaCO3)	100		94		mg/L	94			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205552DUP1						**Source: 418266-002**
Bicarbonate (HCO3)	1100	1100	mg/L	0.0	20	
Carbonate (CO3)	ND	ND	mg/L	0.0	20	
Hydroxide (OH)	ND	ND	mg/L	0.0	20	
Total Alkalinity (as CaCO3)	860	880	mg/L	2.3	20	

QCBatchID: QC1205571 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205571MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205571LCS1											
Total Organic Carbon (TOC)	10		9.86		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205571MS1, QC1205571MSD1												**Source: 418344-002**
Total Organic Carbon (TOC)	19.4	20	20	41.0	40.7	mg/L	108	107	0.7	80-120	20	

QCBatchID: QC1205643 **Analyst:** trinh **Method:** SM 4500-CN-E

Matrix: Water **Analyzed:** 08/19/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205643MB1					
Cyanide	ND	mg/L	0.0022	0.01	
Cyanide, Amenable to Chlorination	ND	mg/L	0.0022	0.01	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643LCS1											
Cyanide	0.2		0.19		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643MS1, QC1205643MSD1												**Source: 418338-002**
Cyanide	0.0030	0.2	0.2	0.21	0.21	mg/L	104	104	0.0	80-120	20	

QCBatchID: QC1205707 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 08/20/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205707MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.3		1.28		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707MS1, QC1205707MSD1												**Source: 418276-001**
Total Phosphorous as P	0.251	0.4	0.4	0.837	0.835	mg/L	147	146	0.2	75-125	20	M
Total Phosphorous as PO4	0.770	1.3	1.3	2.57	2.56	mg/L	139	138	0.4	75-125	20	M

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.
931 W. Barkley Ave., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 538-1209
Billing: Enthalpy - SoCal
c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614

Chain of Custody Record

Lab No: 4190266

Page: 1 of 3

Turn Around Time (Rush by advanced notice only)

Standard:	X	4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:	kbrtalik@rinconconsulants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
NN LAMW-5S LAmw-5S	8/ /19	1330	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-9 NN SmBRP-9	8/ /19	0830	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-11 NN SmBRP-11	8/ /19	1300	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-12	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW04S NN MCWP-MW04S	8/ /19	1145	W			X	X	X	X	X	X	X	X	X	X	
MCWP-MW04D NN MCWP-MW04D	8/ /19	1115	W			X	X	X	X	X	X	X	X	X	X	
MCWP-MW07S	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW07D	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW09	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, Inc.	8.13.19 / 1550
[1] Received By:	Ben S.	E.A.		8.13.19 1550
[2] Relinquished By:	Ben Salgado	Enthalpy Analytical	8.13.19 1903	
[2] Received By:	Christie Cabo	EA	8/13/19 1903	
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.
931 W. Barkley Ave., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 538-1209
Billing: Enthalpy - SoCal
c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614

ENTHALPY analytical, inc.

Chain of Custody Record

Lab No: 418266

Page: 2 of 3

Turn Around Time (Rush by advanced notice only)

Standard:	X	4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
LAMW-5S	8/13/19	1330	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
SMBRP-9	8/13/19	830	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
SMBRP-11	8/13/19	1300	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
~~SMBRP-12~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW04S	8/13/19	1145	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
MCWP-MW04D	8/13/19	1115	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
~~MCWP-MW07D~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
~~MCWP-MW09~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Nico Navarro	Rincon Consultants, Inc.	8/13/19 1530
[1] Received By:		Ben Salgado	E. A.	8.13.19 - ~~1530~~
[2] Relinquished By:		Ben Salgado	Enthalpy Analytical	8.13.1902
[2] Received By:		Christine Castro	EA	8/13/19 1903
[3] Relinquished By:				
[3] Received By:				

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 419266	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3 of 3	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 608 Pest/PCBs	Test Instructions / Comments
LAMW-5S	8/13/19	1330	W			X	X	
SMBRP-9	8/13/19	0830	W			X	X	
SMBRP-11	8/13/19	1300	W			X	X	
~~SMBRP-12~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN
MCWP-MW04S	8/13/19	1145	W			X	X	
MCWP-MW04D	8/13/19	1115	W			X	X	
~~MCWP-MW07S~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN
~~MCWP-MW07D~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN
~~MCWP-MW09~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, Inc.	8.13.19 / 1550
[1] Received By:		Ben S.	E.A.	8-13-19 1550
[2] Relinquished By:		Ben Salcedo	Enthalpy Analytical	8-13-19 1903
[2] Received By:		Christine Castro	EA	8/13/19 1903
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: _____

Date Received: 8/13/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 13 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: 3.6 #3: 12.7 #4: 6.0

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.0 #2: 2.9 #3: 7.6 #4: 1.9

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

(sample temp/cooler temp) 2.5/1.4, 8.6/6.7, 4.2/3.7, 3.8/2.4, 7.9/1.9, 2.6/1.3, 0.8/0.9, 7.3/0.9,1.3/1.3 sample #3 (SMBRP-11), ~~had headspace~~ 5 vials was not filled

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): RC 8/13/19

Project Manager's response:

Completed By: _____ Date: 8/13/19

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 9H15070

Project: 418266

Attn: Albert Vargas

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 11/27/2019
Received Date: 8/15/2019
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1038423
Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-CA #04229CA • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Albert Vargas,

Enclosed are the results of analyses for samples received 8/15/19 with the Chain-of-Custody document. The samples were received in good condition, at 4.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina Giancola
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
LAMW-5S (418266-001)	Client	9H15070-01	Water	08/13/19 13:30	
LAMW-5S (418266-001) (Field Blank)	Client	9H15070-02	Water	08/13/19 13:30	
SMBRP-9 (418266-002)	Client	9H15070-03	Water	08/13/19 08:30	
SMBRP-9 (418266-002) (Field Blank)	Client	9H15070-04	Water	08/13/19 08:30	
SMBRP-11 (418266-003)	Client	9H15070-05	Water	08/13/19 13:00	
SMBRP-11 (418266-003) (Field Blank)	Client	9H15070-06	Water	08/13/19 08:30	
MCWP-MW04S (418266-004)	Client	9H15070-07	Water	08/13/19 11:45	
MCWP-MW04S (418266-004) (Field Blank)	Client	9H15070-08	Water	08/13/19 11:45	
MCWP-MW04D (418266-005)	Client	9H15070-09	Water	08/13/19 11:15	
MCWP-MW04D (418266-005) (Field Blank)	Client	9H15070-10	Water	08/13/19 11:15	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/23/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/23/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/23/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/23/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/23/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/23/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/23/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/23/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/23/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/23/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/23/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/23/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/23/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/23/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/23/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/23/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/23/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/23/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/23/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/23/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/23/19	
Benzidine	ND	3.7	10	ug/l	1	08/23/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/23/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/23/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/23/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/23/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/23/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/23/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/23/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/23/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/23/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/23/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/23/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/23/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/23/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/23/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/23/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/23/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/23/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/23/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/23/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/23/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/23/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/23/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/23/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/23/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/23/19	
Phenol	ND	0.16	1.0	ug/l	1	08/23/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/23/19	
Surrogate(s)							
2,4,6-Tribromophenol	*68%*	*Conc: 33.9*	*37-120*			*08/23/19*	
2-Fluorobiphenyl	*76%*	*Conc: 18.9*	*43-120*			*08/23/19*	
2-Fluorophenol	*49%*	*Conc: 24.7*	*31-100*			*08/23/19*	
Nitrobenzene-d5	*76%*	*Conc: 19.0*	*45-120*			*08/23/19*	
Phenol-d5	*30%*	*Conc: 15.2*	*15-100*			*08/23/19*	
Terphenyl-d14	*93%*	*Conc: 23.3*	*61-130*			*08/23/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*104%*	*Conc: 519*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*89%*	*Conc: 8.87*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*97%*	*Conc: 9.68*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/29/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/29/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/29/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/29/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/29/19	
Aroclor 1016	ND	0.11	0.50	ug/l	5	08/30/19	M-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.42	0.50	ug/l	5	08/30/19	M-04
Aroclor 1232	ND	0.32	0.50	ug/l	5	08/30/19	M-04
Aroclor 1242	ND	0.35	0.50	ug/l	5	08/30/19	M-04
Aroclor 1248	ND	0.24	0.50	ug/l	5	08/30/19	M-04
Aroclor 1254	ND	0.34	0.50	ug/l	5	08/30/19	M-04
Aroclor 1260	ND	0.10	0.50	ug/l	5	08/30/19	M-04
beta-BHC	ND	0.0015	0.010	ug/l	1	08/29/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/29/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/29/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/29/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/29/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/29/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/29/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/29/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/29/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/29/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/29/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/29/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/29/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/29/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/29/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/29/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/29/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/29/19	
Toxaphene	ND	0.33	2.5	ug/l	5	08/30/19	M-04
Trifluralin	ND	0.0030	0.010	ug/l	1	08/29/19	
Surrogate(s)							
Decachlorobiphenyl	*80% Conc: 0.0804*		*70-130*			*08/29/19*	
Tetrachloro-meta-xylene	*81% Conc: 0.0814*		*70-130*			*08/29/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03			**Prepared:** 08/20/19 14:45			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/20/19 23:46	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/20/19 23:46	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*103%*	*Conc: 10.3*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.39**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	**2.7**	0.50	2.0	ng/l	1	08/28/19	
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**9.1**	0.31	1.0	ng/l	1	10/01/19	
DEET	**2.9**	0.060	1.0	ng/l	1	10/01/19	
Sucralose	**1100**	5.0	5.0	ng/l	1	10/01/19	E-01
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: LAMW-5S (418266-001)
9H15070-01 (Water)

Sampled: 08/13/19 13:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*87%*	*Conc: 4.36*	*70-130*			*09/07/19*	
Perylene-d12	*47%*	*Conc: 2.34*	*50-120*			*09/07/19*	*S-GC*
Triphenyl phosphate	*112%*	*Conc: 5.59*	*70-130*			*09/07/19*	

Sample: LAMW-5S (418266-001) (Field Blank)
9H15070-02 (Water)

Sampled: 08/13/19 13:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03 **Prepared:** 08/20/19 14:45 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 00:15	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 00:15	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	5.5	10	ug/l	1	08/23/19	M-02
1,2-Dichlorobenzene	ND	5.7	10	ug/l	1	08/23/19	M-02
1,2-Diphenylhydrazine/Azobenzene	ND	2.5	10	ug/l	1	08/23/19	M-02
1,3-Dichlorobenzene	ND	5.3	10	ug/l	1	08/23/19	M-02
1,4-Dichlorobenzene	ND	5.5	10	ug/l	1	08/23/19	M-02
2,4,6-Trichlorophenol	ND	2.2	10	ug/l	1	08/23/19	M-02
2,4-Dichlorophenol	ND	2.6	10	ug/l	1	08/23/19	M-02
2,4-Dimethylphenol	ND	3.0	10	ug/l	1	08/23/19	M-02
2,4-Dinitrophenol	ND	16	50	ug/l	1	08/23/19	M-02
2,4-Dinitrotoluene	ND	1.8	10	ug/l	1	08/23/19	M-02
2,6-Dinitrotoluene	ND	2.7	10	ug/l	1	08/23/19	M-02
2-Chloronaphthalene	ND	4.5	10	ug/l	1	08/23/19	M-02
2-Chlorophenol	ND	2.8	10	ug/l	1	08/23/19	M-02
2-Methyl-4,6-dinitrophenol	ND	10	10	ug/l	1	08/23/19	M-02
2-Nitrophenol	ND	2.6	10	ug/l	1	08/23/19	M-02
3,3'-Dichlorobenzidine	ND	10	10	ug/l	1	08/23/19	M-02
4-Bromophenyl phenyl ether	ND	3.6	10	ug/l	1	08/23/19	M-02
4-Chloro-3-methylphenol	ND	2.3	10	ug/l	1	08/23/19	M-02
4-Chlorophenyl phenyl ether	ND	4.1	10	ug/l	1	08/23/19	M-02
4-Nitrophenol	ND	4.5	20	ug/l	1	08/23/19	M-02
Acenaphthene	ND	3.8	10	ug/l	1	08/23/19	M-02
Acenaphthylene	ND	4.0	10	ug/l	1	08/23/19	M-02
Anthracene	ND	3.4	10	ug/l	1	08/23/19	M-02
Benzidine	ND	37	100	ug/l	1	08/23/19	M-02
Benzo (a) anthracene	ND	1.9	10	ug/l	1	08/23/19	M-02
Benzo (a) pyrene	ND	1.3	10	ug/l	1	08/23/19	M-02
Benzo (b) fluoranthene	ND	1.4	10	ug/l	1	08/23/19	M-02
Benzo (g,h,i) perylene	ND	1.0	10	ug/l	1	08/23/19	M-02
Benzo (k) fluoranthene	ND	2.2	10	ug/l	1	08/23/19	M-02
Bis(2-chloroethoxy)methane	ND	2.5	10	ug/l	1	08/23/19	M-02
Bis(2-chloroethyl)ether	ND	2.7	10	ug/l	1	08/23/19	M-02
Bis(2-chloroisopropyl)ether	ND	3.8	10	ug/l	1	08/23/19	M-02
Bis(2-ethylhexyl)phthalate	ND	20	20	ug/l	1	08/23/19	M-02
Butyl benzyl phthalate	ND	1.8	10	ug/l	1	08/23/19	M-02
Chrysene	ND	1.9	10	ug/l	1	08/23/19	M-02
Dibenzo (a,h) anthracene	ND	0.80	10	ug/l	1	08/23/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	1.5	10	ug/l	1	08/23/19	M-02
Dimethyl phthalate	ND	1.8	10	ug/l	1	08/23/19	M-02
Di-n-butyl phthalate	ND	2.4	10	ug/l	1	08/23/19	M-02
Di-n-octyl phthalate	ND	1.9	10	ug/l	1	08/23/19	M-02
Fluoranthene	ND	2.2	10	ug/l	1	08/23/19	M-02
Fluorene	ND	3.5	10	ug/l	1	08/23/19	M-02
Hexachlorobenzene	ND	4.9	10	ug/l	1	08/23/19	M-02
Hexachlorobutadiene	ND	4.7	10	ug/l	1	08/23/19	M-02
Hexachlorocyclopentadiene	ND	15	50	ug/l	1	08/23/19	M-02
Hexachloroethane	ND	5.2	10	ug/l	1	08/23/19	M-02
Indeno (1,2,3-cd) pyrene	ND	1.2	10	ug/l	1	08/23/19	M-02
Isophorone	ND	2.1	10	ug/l	1	08/23/19	M-02
Naphthalene	ND	4.9	10	ug/l	1	08/23/19	M-02
Nitrobenzene	ND	3.6	10	ug/l	1	08/23/19	M-02
N-Nitrosodimethylamine	ND	1.4	10	ug/l	1	08/23/19	M-02
N-Nitrosodi-n-propylamine	ND	2.6	10	ug/l	1	08/23/19	M-02
N-Nitrosodiphenylamine	ND	1.9	10	ug/l	1	08/23/19	M-02
Pentachlorophenol	ND	1.9	10	ug/l	1	08/23/19	M-02
Phenanthrene	ND	3.2	10	ug/l	1	08/23/19	M-02
Phenol	ND	1.6	10	ug/l	1	08/23/19	M-02
Pyrene	ND	2.5	10	ug/l	1	08/23/19	M-02
Surrogate(s)							
2,4,6-Tribromophenol	*76%*	*Conc: 382*	*37-120*			*08/23/19*	*M-02*
2-Fluorobiphenyl	*73%*	*Conc: 184*	*43-120*			*08/23/19*	*M-02*
2-Fluorophenol	*47%*	*Conc: 235*	*31-100*			*08/23/19*	*M-02*
Nitrobenzene-d5	*71%*	*Conc: 178*	*45-120*			*08/23/19*	*M-02*
Phenol-d5	*30%*	*Conc: 149*	*15-100*			*08/23/19*	*M-02*
Terphenyl-d14	*100%*	*Conc: 249*	*61-130*			*08/23/19*	*M-02*
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	6.3	50	ug/l	10	08/27/19	M-05
Chlorite	ND	7.0	100	ug/l	10	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*110%*	*Conc: 550*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*89%*	*Conc: 8.87*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*97%*	*Conc: 9.66*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.0045	0.050	ug/l	1	08/29/19	M-02
4,4´-DDE	ND	0.0090	0.050	ug/l	1	08/29/19	M-02
4,4´-DDT	ND	0.0065	0.050	ug/l	1	08/29/19	M-02
Aldrin	ND	0.0045	0.050	ug/l	1	08/29/19	M-02
alpha-BHC	ND	0.0040	0.050	ug/l	1	08/29/19	M-02
Aroclor 1016	ND	0.11	0.50	ug/l	1	08/29/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.42	0.50	ug/l	1	08/29/19	M-02
Aroclor 1232	ND	0.32	0.50	ug/l	1	08/29/19	M-02
Aroclor 1242	ND	0.35	0.50	ug/l	1	08/29/19	M-02
Aroclor 1248	ND	0.24	0.50	ug/l	1	08/29/19	M-02
Aroclor 1254	ND	0.34	0.50	ug/l	1	08/29/19	M-02
Aroclor 1260	ND	0.10	0.50	ug/l	1	08/29/19	M-02
beta-BHC	ND	0.0075	0.050	ug/l	1	08/29/19	M-02
Chlordane (tech)	ND	0.33	0.50	ug/l	1	08/29/19	M-02
Chlorothalonil	ND	0.010	0.25	ug/l	1	08/29/19	M-02
delta-BHC	ND	0.0050	0.050	ug/l	1	08/29/19	M-02
Dieldrin	ND	0.010	0.050	ug/l	1	08/29/19	M-02
Endosulfan I	ND	0.0045	0.050	ug/l	1	08/29/19	M-02
Endosulfan II	ND	0.0040	0.050	ug/l	1	08/29/19	M-02
Endosulfan sulfate	ND	0.0065	0.050	ug/l	1	08/29/19	M-02
Endrin	ND	0.010	0.050	ug/l	1	08/29/19	M-02
Endrin aldehyde	ND	0.0065	0.050	ug/l	1	08/29/19	M-02
gamma-BHC (Lindane)	ND	0.0075	0.050	ug/l	1	08/29/19	M-02
Heptachlor	ND	0.0045	0.050	ug/l	1	08/29/19	M-02
Heptachlor epoxide	ND	0.0055	0.050	ug/l	1	08/29/19	M-02
Hexachlorobenzene	ND	0.015	0.25	ug/l	1	08/29/19	M-02
Hexachlorocyclopentadiene	ND	0.070	0.25	ug/l	1	08/29/19	M-02
Methoxychlor	ND	0.022	0.050	ug/l	1	08/29/19	M-02
PCBs, Total	ND	0.24	2.5	ug/l	1	08/29/19	M-02
Propachlor	ND	0.050	0.25	ug/l	1	08/29/19	M-02
Toxaphene	ND	0.33	2.5	ug/l	1	08/29/19	M-02
Trifluralin	ND	0.015	0.050	ug/l	1	08/29/19	M-02
Surrogate(s)							
Decachlorobiphenyl	*42%*	*Conc: 0.212*	*70-130*			*08/29/19*	*M-02, S-GC*
Tetrachloro-meta-xylene	*87%*	*Conc: 0.433*	*70-130*			*08/29/19*	*M-02*
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	18	200	ug/l	1	09/03/19	M-02
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03			**Prepared:** 08/20/19 14:45			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 00:43	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 00:43	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	**2.3**	1.8	5.0	ug/l	1	08/20/19	J
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*103%*	*Conc: 10.3*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**2.4**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	5.0	20	ng/l	1	08/28/19	M-02
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	**12**	0.31	1.0	ng/l	1	10/09/19	I-05
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**5.0**	0.31	1.0	ng/l	1	10/01/19	
DEET	**1.6**	0.060	1.0	ng/l	1	10/01/19	
Sucralose	**21**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.11	0.50	ug/l	1	09/07/19	M-02
Atrazine	ND	0.17	0.50	ug/l	1	09/07/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-9 (418266-002)
9H15070-03 (Water)

Sampled: 08/13/19 8:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.35	0.50	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)adipate	ND	0.52	10	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)phthalate	ND	5.3	10	ug/l	1	09/07/19	M-02
Bromacil	ND	0.19	2.5	ug/l	1	09/07/19	M-02
Butachlor	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Captan	ND	4.3	5.0	ug/l	1	09/07/19	M-02
Chlorpropham	ND	0.050	0.50	ug/l	1	09/07/19	M-02
Cyanazine	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Diazinon	ND	0.48	0.50	ug/l	1	09/07/19	M-02
Dimethoate	ND	0.12	1.0	ug/l	1	09/07/19	M-02
Diphenamid	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Disulfoton	ND	0.16	0.50	ug/l	1	09/07/19	M-02
EPTC	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Metolachlor	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Metribuzin	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Molinate	ND	0.20	0.50	ug/l	1	09/07/19	M-02
Prometon	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Prometryn	ND	0.18	0.50	ug/l	1	09/07/19	M-02
Simazine	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Terbacil	ND	2.8	10	ug/l	1	09/07/19	M-02
Thiobencarb	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Trithion	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*96%*	*Conc: 24.0*	*70-130*			*09/07/19*	*M-02*
Perylene-d12	*44%*	*Conc: 11.0*	*50-120*			*09/07/19*	*M-02, S-GC*
Triphenyl phosphate	*99%*	*Conc: 24.7*	*70-130*			*09/07/19*	*M-02*

Sample: SMBRP-9 (418266-002) (Field Blank)
9H15070-04 (Water)

Sampled: 08/13/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03 **Prepared:** 08/20/19 14:45 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 01:12	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 01:12	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	5.5	10	ug/l	1	08/23/19	M-02
1,2-Dichlorobenzene	ND	5.7	10	ug/l	1	08/23/19	M-02
1,2-Diphenylhydrazine/Azobenzene	ND	2.5	10	ug/l	1	08/23/19	M-02
1,3-Dichlorobenzene	ND	5.3	10	ug/l	1	08/23/19	M-02
1,4-Dichlorobenzene	ND	5.5	10	ug/l	1	08/23/19	M-02
2,4,6-Trichlorophenol	ND	2.2	10	ug/l	1	08/23/19	M-02
2,4-Dichlorophenol	ND	2.6	10	ug/l	1	08/23/19	M-02
2,4-Dimethylphenol	ND	3.0	10	ug/l	1	08/23/19	M-02
2,4-Dinitrophenol	ND	16	50	ug/l	1	08/23/19	M-02
2,4-Dinitrotoluene	ND	1.8	10	ug/l	1	08/23/19	M-02
2,6-Dinitrotoluene	ND	2.7	10	ug/l	1	08/23/19	M-02
2-Chloronaphthalene	ND	4.5	10	ug/l	1	08/23/19	M-02
2-Chlorophenol	ND	2.8	10	ug/l	1	08/23/19	M-02
2-Methyl-4,6-dinitrophenol	ND	10	10	ug/l	1	08/23/19	M-02
2-Nitrophenol	ND	2.6	10	ug/l	1	08/23/19	M-02
3,3'-Dichlorobenzidine	ND	10	10	ug/l	1	08/23/19	M-02
4-Bromophenyl phenyl ether	ND	3.6	10	ug/l	1	08/23/19	M-02
4-Chloro-3-methylphenol	ND	2.3	10	ug/l	1	08/23/19	M-02
4-Chlorophenyl phenyl ether	ND	4.1	10	ug/l	1	08/23/19	M-02
4-Nitrophenol	ND	4.5	20	ug/l	1	08/23/19	M-02
Acenaphthene	ND	3.8	10	ug/l	1	08/23/19	M-02
Acenaphthylene	ND	4.0	10	ug/l	1	08/23/19	M-02
Anthracene	ND	3.4	10	ug/l	1	08/23/19	M-02
Benzidine	ND	37	100	ug/l	1	08/23/19	M-02
Benzo (a) anthracene	ND	1.9	10	ug/l	1	08/23/19	M-02
Benzo (a) pyrene	ND	1.3	10	ug/l	1	08/23/19	M-02
Benzo (b) fluoranthene	ND	1.4	10	ug/l	1	08/23/19	M-02
Benzo (g,h,i) perylene	ND	1.0	10	ug/l	1	08/23/19	M-02
Benzo (k) fluoranthene	ND	2.2	10	ug/l	1	08/23/19	M-02
Bis(2-chloroethoxy)methane	ND	2.5	10	ug/l	1	08/23/19	M-02
Bis(2-chloroethyl)ether	ND	2.7	10	ug/l	1	08/23/19	M-02
Bis(2-chloroisopropyl)ether	ND	3.8	10	ug/l	1	08/23/19	M-02
Bis(2-ethylhexyl)phthalate	ND	20	20	ug/l	1	08/23/19	M-02
Butyl benzyl phthalate	ND	1.8	10	ug/l	1	08/23/19	M-02
Chrysene	ND	1.9	10	ug/l	1	08/23/19	M-02
Dibenzo (a,h) anthracene	ND	0.80	10	ug/l	1	08/23/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported: 11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	1.5	10	ug/l	1	08/23/19	M-02
Dimethyl phthalate	ND	1.8	10	ug/l	1	08/23/19	M-02
Di-n-butyl phthalate	ND	2.4	10	ug/l	1	08/23/19	M-02
Di-n-octyl phthalate	ND	1.9	10	ug/l	1	08/23/19	M-02
Fluoranthene	ND	2.2	10	ug/l	1	08/23/19	M-02
Fluorene	ND	3.5	10	ug/l	1	08/23/19	M-02
Hexachlorobenzene	ND	4.9	10	ug/l	1	08/23/19	M-02
Hexachlorobutadiene	ND	4.7	10	ug/l	1	08/23/19	M-02
Hexachlorocyclopentadiene	ND	15	50	ug/l	1	08/23/19	M-02
Hexachloroethane	ND	5.2	10	ug/l	1	08/23/19	M-02
Indeno (1,2,3-cd) pyrene	ND	1.2	10	ug/l	1	08/23/19	M-02
Isophorone	ND	2.1	10	ug/l	1	08/23/19	M-02
Naphthalene	ND	4.9	10	ug/l	1	08/23/19	M-02
Nitrobenzene	ND	3.6	10	ug/l	1	08/23/19	M-02
N-Nitrosodimethylamine	ND	1.4	10	ug/l	1	08/23/19	M-02
N-Nitrosodi-n-propylamine	ND	2.6	10	ug/l	1	08/23/19	M-02
N-Nitrosodiphenylamine	ND	1.9	10	ug/l	1	08/23/19	M-02
Pentachlorophenol	ND	1.9	10	ug/l	1	08/23/19	M-02
Phenanthrene	ND	3.2	10	ug/l	1	08/23/19	M-02
Phenol	ND	1.6	10	ug/l	1	08/23/19	M-02
Pyrene	ND	2.5	10	ug/l	1	08/23/19	M-02
Surrogate(s)							
2,4,6-Tribromophenol	*79%*	*Conc: 395*	*37-120*			*08/23/19*	*M-02*
2-Fluorobiphenyl	*80%*	*Conc: 201*	*43-120*			*08/23/19*	*M-02*
2-Fluorophenol	*52%*	*Conc: 258*	*31-100*			*08/23/19*	*M-02*
Nitrobenzene-d5	*79%*	*Conc: 198*	*45-120*			*08/23/19*	*M-02*
Phenol-d5	*32%*	*Conc: 158*	*15-100*			*08/23/19*	*M-02*
Terphenyl-d14	*101%*	*Conc: 251*	*61-130*			*08/23/19*	*M-02*
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*111%*	*Conc: 556*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*85%*	*Conc: 8.54*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*95%*	*Conc: 9.51*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.0045	0.050	ug/l	1	08/30/19	M-02
4,4´-DDE	ND	0.0090	0.050	ug/l	1	08/30/19	M-02
4,4´-DDT	ND	0.0065	0.050	ug/l	1	08/30/19	M-02
Aldrin	ND	0.0045	0.050	ug/l	1	08/30/19	M-02
alpha-BHC	ND	0.0040	0.050	ug/l	1	08/30/19	M-02
Aroclor 1016	ND	0.11	0.50	ug/l	1	08/30/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.42	0.50	ug/l	1	08/30/19	M-02
Aroclor 1232	ND	0.32	0.50	ug/l	1	08/30/19	M-02
Aroclor 1242	ND	0.35	0.50	ug/l	1	08/30/19	M-02
Aroclor 1248	ND	0.24	0.50	ug/l	1	08/30/19	M-02
Aroclor 1254	ND	0.34	0.50	ug/l	1	08/30/19	M-02
Aroclor 1260	ND	0.10	0.50	ug/l	1	08/30/19	M-02
beta-BHC	ND	0.0075	0.050	ug/l	1	08/30/19	M-02
Chlordane (tech)	ND	0.33	0.50	ug/l	1	08/30/19	M-02
Chlorothalonil	ND	0.010	0.25	ug/l	1	08/30/19	M-02
delta-BHC	ND	0.0050	0.050	ug/l	1	08/30/19	M-02
Dieldrin	ND	0.010	0.050	ug/l	1	08/30/19	M-02
Endosulfan I	ND	0.0045	0.050	ug/l	1	08/30/19	M-02
Endosulfan II	ND	0.0040	0.050	ug/l	1	08/30/19	M-02
Endosulfan sulfate	ND	0.0065	0.050	ug/l	1	08/30/19	M-02
Endrin	ND	0.010	0.050	ug/l	1	08/30/19	M-02
Endrin aldehyde	ND	0.0065	0.050	ug/l	1	08/30/19	M-02
gamma-BHC (Lindane)	ND	0.0075	0.050	ug/l	1	08/30/19	M-02
Heptachlor	ND	0.0045	0.050	ug/l	1	08/30/19	M-02
Heptachlor epoxide	ND	0.0055	0.050	ug/l	1	08/30/19	M-02
Hexachlorobenzene	ND	0.015	0.25	ug/l	1	08/30/19	M-02
Hexachlorocyclopentadiene	ND	0.070	0.25	ug/l	1	08/30/19	M-02
Methoxychlor	ND	0.022	0.050	ug/l	1	08/30/19	M-02
PCBs, Total	ND	0.24	2.5	ug/l	1	08/30/19	M-02
Propachlor	ND	0.050	0.25	ug/l	1	08/30/19	M-02
Toxaphene	ND	0.33	2.5	ug/l	1	08/30/19	M-02
Trifluralin	ND	0.015	0.050	ug/l	1	08/30/19	M-02
Surrogate(s)							
Decachlorobiphenyl	*72%*	*Conc: 0.359*	*70-130*			*08/30/19*	*M-02*
Tetrachloro-meta-xylene	*95%*	*Conc: 0.475*	*70-130*			*08/30/19*	*M-02*
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03			**Prepared:** 08/20/19 14:45			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 01:41	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 01:41	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*102%*	*Conc: 10.2*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.063**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	5.0	20	ng/l	1	08/29/19	M-02
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	**79**	6.2	20	ng/l	1	10/09/19	I-05, M-02
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	25	40	ng/l	1	09/27/19	M-02
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**15**	6.2	20	ng/l	1	10/01/19	M-02, J
DEET	**17**	1.2	20	ng/l	1	10/01/19	M-02, J
Sucralose	**7700**	100	100	ng/l	1	10/01/19	M-02
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.11	0.50	ug/l	1	09/07/19	M-02
Atrazine	ND	0.17	0.50	ug/l	1	09/07/19	M-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: SMBRP-11 (418266-003)
9H15070-05 (Water)

Sampled: 08/13/19 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.35	0.50	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)adipate	ND	0.52	10	ug/l	1	09/07/19	M-02
Bis(2-ethylhexyl)phthalate	ND	5.3	10	ug/l	1	09/07/19	M-02
Bromacil	ND	0.19	2.5	ug/l	1	09/07/19	M-02
Butachlor	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Captan	ND	4.3	5.0	ug/l	1	09/07/19	M-02
Chlorpropham	ND	0.050	0.50	ug/l	1	09/07/19	M-02
Cyanazine	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Diazinon	ND	0.48	0.50	ug/l	1	09/07/19	M-02
Dimethoate	ND	0.12	1.0	ug/l	1	09/07/19	M-02
Diphenamid	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Disulfoton	ND	0.16	0.50	ug/l	1	09/07/19	M-02
EPTC	ND	0.085	0.50	ug/l	1	09/07/19	M-02
Metolachlor	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Metribuzin	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Molinate	ND	0.20	0.50	ug/l	1	09/07/19	M-02
Prometon	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Prometryn	ND	0.18	0.50	ug/l	1	09/07/19	M-02
Simazine	ND	0.075	0.50	ug/l	1	09/07/19	M-02
Terbacil	ND	2.8	10	ug/l	1	09/07/19	M-02
Thiobencarb	ND	0.12	0.50	ug/l	1	09/07/19	M-02
Trithion	ND	0.060	0.50	ug/l	1	09/07/19	M-02
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*103%*	*Conc: 25.7*	*70-130*			*09/07/19*	*M-02*
Perylene-d12	*6%*	*Conc: 1.60*	*50-120*			*09/07/19*	*M-02, S-GC*
Triphenyl phosphate	*113%*	*Conc: 28.2*	*70-130*			*09/07/19*	*M-02*

Sample: SMBRP-11 (418266-003) (Field Blank)
9H15070-06 (Water)

Sampled: 08/13/19 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1101 **Instr:** GC03 **Prepared:** 08/20/19 14:45 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/21/19 02:10	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/21/19 02:10	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/23/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/23/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/23/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/23/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/23/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/23/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/23/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/23/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/23/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/23/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/23/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/23/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/23/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/23/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/23/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/23/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/23/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/23/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/23/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/23/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/23/19	
Benzidine	ND	3.7	10	ug/l	1	08/23/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/23/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/23/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/23/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/23/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/23/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/23/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/23/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/23/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/23/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/23/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/23/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/23/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/23/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/23/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/23/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/23/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/23/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/23/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/23/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/23/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/23/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/23/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/23/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/23/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/23/19	
Phenol	ND	0.16	1.0	ug/l	1	08/23/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/23/19	
Surrogate(s)							
2,4,6-Tribromophenol	*75%*	*Conc: 37.6*	*37-120*			*08/23/19*	
2-Fluorobiphenyl	*69%*	*Conc: 17.2*	*43-120*			*08/23/19*	
2-Fluorophenol	*44%*	*Conc: 22.0*	*31-100*			*08/23/19*	
Nitrobenzene-d5	*67%*	*Conc: 16.7*	*45-120*			*08/23/19*	
Phenol-d5	*27%*	*Conc: 13.7*	*15-100*			*08/23/19*	
Terphenyl-d14	*95%*	*Conc: 23.6*	*61-130*			*08/23/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*95%*	*Conc: 475*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*78%*	*Conc: 7.76*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*95%*	*Conc: 9.47*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*82% Conc: 0.0819*		*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*77% Conc: 0.0768*		*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	**2.1**	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 01:52	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 01:52	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*107%*	*Conc: 10.7*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.15**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	**0.65**	0.50	2.0	ng/l	1	08/29/19	J
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**15**	0.31	1.0	ng/l	1	10/01/19	
DEET	**2.1**	0.060	1.0	ng/l	1	10/01/19	
Sucralose	**600**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04S (418266-004)
9H15070-07 (Water)

Sampled: 08/13/19 11:45 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*88%*	*Conc: 4.42*	*70-130*			*09/07/19*	
Perylene-d12	*55%*	*Conc: 2.76*	*50-120*			*09/07/19*	
Triphenyl phosphate	*126%*	*Conc: 6.32*	*70-130*			*09/07/19*	

Sample: MCWP-MW04S (418266-004) (Field Blank)
9H15070-08 (Water)

Sampled: 08/13/19 11:45 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 02:21	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 02:21	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	08/23/19	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	08/23/19	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	08/23/19	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	08/23/19	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/23/19	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/23/19	
2,4-Dimethylphenol	ND	0.30	1.0	ug/l	1	08/23/19	
2,4-Dinitrophenol	ND	1.6	5.0	ug/l	1	08/23/19	
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l	1	08/23/19	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/23/19	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/23/19	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/23/19	
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l	1	08/23/19	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/23/19	
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l	1	08/23/19	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/23/19	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/23/19	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/23/19	
4-Nitrophenol	ND	0.45	2.0	ug/l	1	08/23/19	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/23/19	
Acenaphthylene	ND	0.40	1.0	ug/l	1	08/23/19	
Anthracene	ND	0.34	1.0	ug/l	1	08/23/19	
Benzidine	ND	3.7	10	ug/l	1	08/23/19	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/23/19	
Benzo (a) pyrene	ND	0.13	1.0	ug/l	1	08/23/19	
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l	1	08/23/19	
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l	1	08/23/19	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/23/19	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/23/19	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/23/19	
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l	1	08/23/19	
Butyl benzyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Chrysene	ND	0.19	1.0	ug/l	1	08/23/19	
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625 **Batch ID:** W9H0957 **Instr:** GCMS06 **Prepared:** 08/17/19 07:38 **Analyst:** rmr							
Diethyl phthalate	ND	0.15	1.0	ug/l	1	08/23/19	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/23/19	
Di-n-butyl phthalate	ND	0.24	1.0	ug/l	1	08/23/19	
Di-n-octyl phthalate	ND	0.19	1.0	ug/l	1	08/23/19	
Fluoranthene	ND	0.22	1.0	ug/l	1	08/23/19	
Fluorene	ND	0.35	1.0	ug/l	1	08/23/19	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/23/19	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/23/19	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	08/23/19	
Hexachloroethane	ND	0.52	1.0	ug/l	1	08/23/19	
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l	1	08/23/19	
Isophorone	ND	0.21	1.0	ug/l	1	08/23/19	
Naphthalene	ND	0.49	1.0	ug/l	1	08/23/19	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/23/19	
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l	1	08/23/19	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/23/19	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.19	1.0	ug/l	1	08/23/19	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/23/19	
Phenol	ND	0.16	1.0	ug/l	1	08/23/19	
Pyrene	ND	0.25	1.0	ug/l	1	08/23/19	
Surrogate(s)							
2,4,6-Tribromophenol	*68%*	*Conc: 33.9*	*37-120*			*08/23/19*	
2-Fluorobiphenyl	*70%*	*Conc: 17.6*	*43-120*			*08/23/19*	
2-Fluorophenol	*47%*	*Conc: 23.5*	*31-100*			*08/23/19*	
Nitrobenzene-d5	*69%*	*Conc: 17.4*	*45-120*			*08/23/19*	
Phenol-d5	*29%*	*Conc: 14.5*	*15-100*			*08/23/19*	
Terphenyl-d14	*99%*	*Conc: 24.7*	*61-130*			*08/23/19*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1 **Batch ID:** W9H1413 **Instr:** LC08_Chan **Prepared:** 08/26/19 08:52 **Analyst:** jan							
Bromate	ND	3.2	25	ug/l	5	08/27/19	M-05
Chlorite	ND	3.5	50	ug/l	5	08/27/19	M-05
Surrogate(s)							
Dichloroacetate	*109%*	*Conc: 546*	*90-115*			*08/27/19*	
Carbamates and Urea Pesticides							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10 **Prepared:** 08/22/19 14:27 **Analyst:** jna							
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l	1	08/23/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2 **Batch ID:** W9H1290 **Instr:** LC10			**Prepared:** 08/22/19 14:27			**Analyst:** jna	
Aldicarb	ND	0.38	2.0	ug/l	1	08/23/19	
Aldicarb sulfone	ND	0.45	2.0	ug/l	1	08/23/19	
Aldicarb sulfoxide	ND	0.41	2.0	ug/l	1	08/23/19	
Carbaryl	ND	0.48	2.0	ug/l	1	08/23/19	
Carbofuran	ND	0.59	2.0	ug/l	1	08/23/19	
Methiocarb	ND	0.57	2.0	ug/l	1	08/23/19	
Methomyl	ND	0.30	2.0	ug/l	1	08/23/19	
Oxamyl	ND	0.48	2.0	ug/l	1	08/23/19	
Propoxur (Baygon)	ND	0.60	2.0	ug/l	1	08/23/19	
Surrogate(s)							
BDMC	*83%*	*Conc: 8.28*	*70-130*			*08/23/19*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4 **Batch ID:** W9H1133 **Instr:** GC08			**Prepared:** 08/21/19 08:57			**Analyst:** GC08	
2,4,5-T	ND	0.070	0.20	ug/l	1	08/23/19	
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l	1	08/23/19	
2,4-D	ND	0.070	0.40	ug/l	1	08/23/19	
2,4-DB	ND	0.070	2.0	ug/l	1	08/23/19	
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l	1	08/23/19	
Acifluorfen	ND	0.060	0.40	ug/l	1	08/23/19	
Bentazon	ND	0.11	2.0	ug/l	1	08/23/19	
Dalapon	ND	0.10	0.40	ug/l	1	08/23/19	
DCPA	ND	0.070	0.10	ug/l	1	08/23/19	
Dicamba	ND	0.12	0.60	ug/l	1	08/23/19	
Dichloroprop	ND	0.080	0.30	ug/l	1	08/23/19	
Dinoseb	ND	0.14	0.40	ug/l	1	08/23/19	
Pentachlorophenol	ND	0.040	0.20	ug/l	1	08/23/19	
Picloram	ND	0.050	0.60	ug/l	1	08/23/19	
Surrogate(s)							
2,4-DCAA	*96%*	*Conc: 9.58*	*70-130*			*08/23/19*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
4,4´-DDD	ND	0.00090	0.010	ug/l	1	08/30/19	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/30/19	
4,4´-DDT	ND	0.0013	0.010	ug/l	1	08/30/19	
Aldrin	ND	0.00090	0.010	ug/l	1	08/30/19	
alpha-BHC	ND	0.00080	0.010	ug/l	1	08/30/19	
Aroclor 1016	ND	0.022	0.10	ug/l	1	08/30/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508 **Batch ID:** W9H1081 **Instr:** GC07			**Prepared:** 08/20/19 09:14			**Analyst:** adm	
Aroclor 1221	ND	0.084	0.10	ug/l	1	08/30/19	
Aroclor 1232	ND	0.064	0.10	ug/l	1	08/30/19	
Aroclor 1242	ND	0.070	0.10	ug/l	1	08/30/19	
Aroclor 1248	ND	0.049	0.10	ug/l	1	08/30/19	
Aroclor 1254	ND	0.068	0.10	ug/l	1	08/30/19	
Aroclor 1260	ND	0.020	0.10	ug/l	1	08/30/19	
beta-BHC	ND	0.0015	0.010	ug/l	1	08/30/19	
Chlordane (tech)	ND	0.066	0.10	ug/l	1	08/30/19	
Chlorothalonil	ND	0.0020	0.050	ug/l	1	08/30/19	
delta-BHC	ND	0.0010	0.010	ug/l	1	08/30/19	
Dieldrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endosulfan I	ND	0.00090	0.010	ug/l	1	08/30/19	
Endosulfan II	ND	0.00080	0.010	ug/l	1	08/30/19	
Endosulfan sulfate	ND	0.0013	0.010	ug/l	1	08/30/19	
Endrin	ND	0.0020	0.010	ug/l	1	08/30/19	
Endrin aldehyde	ND	0.0013	0.010	ug/l	1	08/30/19	
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l	1	08/30/19	
Heptachlor	ND	0.00090	0.010	ug/l	1	08/30/19	
Heptachlor epoxide	ND	0.0011	0.010	ug/l	1	08/30/19	
Hexachlorobenzene	ND	0.0030	0.050	ug/l	1	08/30/19	
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l	1	08/30/19	
Methoxychlor	ND	0.0044	0.010	ug/l	1	08/30/19	
PCBs, Total	ND	0.049	0.50	ug/l	1	08/30/19	
Propachlor	ND	0.010	0.050	ug/l	1	08/30/19	
Toxaphene	ND	0.066	0.50	ug/l	1	08/30/19	
Trifluralin	ND	0.0030	0.010	ug/l	1	08/30/19	
Surrogate(s)							
Decachlorobiphenyl	*115%*	*Conc: 0.115*	*70-130*			*08/30/19*	
Tetrachloro-meta-xylene	*95%*	*Conc: 0.0952*	*70-130*			*08/30/19*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2 **Batch ID:** W9H0995 **Instr:** LC11			**Prepared:** 08/19/19 09:05			**Analyst:** jna	
Diquat	ND	0.90	2.0	ug/l	1	08/23/19	
Endothall By EPA 548.1							
Method: EPA 548.1 **Batch ID:** W9H1074 **Instr:** GCMS06			**Prepared:** 08/20/19 08:32			**Analyst:** rmr	
Endothall	ND	3.5	40	ug/l	1	09/03/19	
Fumigants by EPA Method 504.1							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1 (Continued)							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03			**Prepared:** 08/22/19 14:51			**Analyst:** dml	
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 02:49	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 02:49	
Glyphosate by EPA 547							
Method: EPA 547 **Batch ID:** W9H1014 **Instr:** LC10			**Prepared:** 08/19/19 16:12			**Analyst:** jna	
Glyphosate	ND	1.8	5.0	ug/l	1	08/20/19	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3 **Batch ID:** W9H1471 **Instr:** GC05			**Prepared:** 08/27/19 08:54			**Analyst:** dml	
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l	1	09/05/19	
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l	1	09/05/19	
HAA5, Total	ND	1.0	1.0	ug/l	1	09/05/19	
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l	1	09/05/19	
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l	1	09/05/19	
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l	1	09/05/19	
Surrogate(s)							
2-Bromobutyric acid	*102%*	*Conc: 10.2*	*70-130*			*09/05/19*	
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W9H1182 **Instr:** LC13			**Prepared:** 08/21/19 09:50			**Analyst:** jna	
Chromium 6+	**0.032**	0.0048	0.020	ug/l	1	08/21/19	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M **Batch ID:** W9H0993 **Instr:** GCMS09			**Prepared:** 08/19/19 08:54			**Analyst:** mld	
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	08/29/19	
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI **Batch ID:** W9I0412 **Instr:** LCMS02			**Prepared:** 09/09/19 09:24			**Analyst:** kan	
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/09/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI- **Batch ID:** W9I0414 **Instr:** LCMS02			**Prepared:** 09/09/19 09:32			**Analyst:** kan	
Triclosan	ND	1.2	2.0	ng/l	1	09/27/19	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+ **Batch ID:** W9I0410 **Instr:** LCMS02			**Prepared:** 09/09/19 09:19			**Analyst:** kan	
Caffeine	**0.39**	0.31	1.0	ng/l	1	10/01/19	J
DEET	**0.74**	0.060	1.0	ng/l	1	10/01/19	J
Sucralose	**100**	5.0	5.0	ng/l	1	10/01/19	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16			**Prepared:** 08/27/19 11:30			**Analyst:** rmr	
Alachlor	ND	0.022	0.10	ug/l	1	09/07/19	
Atrazine	ND	0.034	0.10	ug/l	1	09/07/19	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Sample Results

(Continued)

Sample: MCWP-MW04D (418266-005)
9H15070-09 (Water)

Sampled: 08/13/19 11:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2 **Batch ID:** W9H1437 **Instr:** GCMS16 **Prepared:** 08/27/19 11:30 **Analyst:** rmr							
Benzo (a) pyrene	ND	0.070	0.10	ug/l	1	09/07/19	
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l	1	09/07/19	
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l	1	09/07/19	
Bromacil	ND	0.038	0.50	ug/l	1	09/07/19	
Butachlor	ND	0.017	0.10	ug/l	1	09/07/19	
Captan	ND	0.86	1.0	ug/l	1	09/07/19	
Chlorpropham	ND	0.010	0.10	ug/l	1	09/07/19	
Cyanazine	ND	0.024	0.10	ug/l	1	09/07/19	
Diazinon	ND	0.096	0.10	ug/l	1	09/07/19	
Dimethoate	ND	0.024	0.20	ug/l	1	09/07/19	
Diphenamid	ND	0.024	0.10	ug/l	1	09/07/19	
Disulfoton	ND	0.031	0.10	ug/l	1	09/07/19	
EPTC	ND	0.017	0.10	ug/l	1	09/07/19	
Metolachlor	ND	0.012	0.10	ug/l	1	09/07/19	
Metribuzin	ND	0.015	0.10	ug/l	1	09/07/19	
Molinate	ND	0.039	0.10	ug/l	1	09/07/19	
Prometon	ND	0.024	0.10	ug/l	1	09/07/19	
Prometryn	ND	0.036	0.10	ug/l	1	09/07/19	
Simazine	ND	0.015	0.10	ug/l	1	09/07/19	
Terbacil	ND	0.55	2.0	ug/l	1	09/07/19	
Thiobencarb	ND	0.025	0.10	ug/l	1	09/07/19	
Trithion	ND	0.012	0.10	ug/l	1	09/07/19	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*100%*	*Conc: 5.02*	*70-130*			*09/07/19*	
Perylene-d12	*94%*	*Conc: 4.72*	*50-120*			*09/07/19*	
Triphenyl phosphate	*110%*	*Conc: 5.52*	*70-130*			*09/07/19*	

Sample: MCWP-MW04D (418266-005) (Field Blank)
9H15070-10 (Water)

Sampled: 08/13/19 11:15 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Fumigants by EPA Method 504.1							
Method: EPA 504.1 **Batch ID:** W9H1249 **Instr:** GC03 **Prepared:** 08/22/19 14:51 **Analyst:** dml							
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l	1	08/23/19 03:18	
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l	1	08/23/19 03:18	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625											
Blank (W9H0957-BLK1)					**Prepared: 08/16/19 Analyzed: 08/22/19**						
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.30	1.0	ug/l							
2,4-Dinitrophenol	ND	1.6	5.0	ug/l							
2,4-Dinitrotoluene	ND	0.18	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	1.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	0.45	2.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.40	1.0	ug/l							
Anthracene	ND	0.34	1.0	ug/l							
Benzidine	ND	3.7	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.13	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.14	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	2.0	ug/l							
Butyl benzyl phthalate	ND	0.18	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l							
Diethyl phthalate	ND	0.15	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.24	1.0	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Blank (W9H0957-BLK1)					**Prepared: 08/16/19 Analyzed: 08/22/19**						
Di-n-octyl phthalate	ND	0.19	1.0	ug/l							
Fluoranthene	ND	0.22	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l							
Hexachloroethane	ND	0.52	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.14	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.19	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.16	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*34.2*			*ug/l*	*50.0*		*68*	*37-120*			
2-Fluorobiphenyl	*17.6*			*ug/l*	*25.0*		*71*	*43-120*			
2-Fluorophenol	*25.6*			*ug/l*	*50.0*		*51*	*31-100*			
Nitrobenzene-d5	*18.4*			*ug/l*	*25.0*		*74*	*45-120*			
Phenol-d5	*16.0*			*ug/l*	*50.0*		*32*	*15-100*			
Terphenyl-d14	*21.6*			*ug/l*	*25.0*		*86*	*61-130*			
Blank (W9H0957-BLK2)					**Prepared: 08/16/19 Analyzed: 08/23/19**						
Benzo (g,h,i) perylene	ND	0.10	1.0	ug/l							QC-2
Dibenzo (a,h) anthracene	ND	0.080	1.0	ug/l							QC-2
Indeno (1,2,3-cd) pyrene	ND	0.12	1.0	ug/l							QC-2
Surrogate(s)											
2,4,6-Tribromophenol	*35.2*			*ug/l*	*50.0*		*70*	*37-120*			*QC-2*
2-Fluorobiphenyl	*18.0*			*ug/l*	*25.0*		*72*	*43-120*			*QC-2*
2-Fluorophenol	*25.8*			*ug/l*	*50.0*		*52*	*31-100*			*QC-2*
Nitrobenzene-d5	*18.9*			*ug/l*	*25.0*		*75*	*45-120*			*QC-2*
Phenol-d5	*16.3*			*ug/l*	*50.0*		*33*	*15-100*			*QC-2*
Terphenyl-d14	*21.5*			*ug/l*	*25.0*		*86*	*61-130*			*QC-2*
LCS (W9H0957-BS1)					**Prepared: 08/16/19 Analyzed: 08/22/19**						
1,2,4-Trichlorobenzene	17.0	0.55	1.0	ug/l	25.0		68	44-130			
1,2-Dichlorobenzene	17.8	0.57	1.0	ug/l	25.0		71	44-120			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
LCS (W9H0957-BS1)					**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
1,3-Dichlorobenzene	17.0	0.53	1.0	ug/l	25.0		68	42-120			
1,4-Dichlorobenzene	16.3	0.55	1.0	ug/l	25.0		65	42-120			
2,4,6-Trichlorophenol	20.2	0.22	1.0	ug/l	25.0		81	46-130			
2,4-Dichlorophenol	20.2	0.26	1.0	ug/l	25.0		81	45-130			
2,4-Dimethylphenol	19.6	0.30	1.0	ug/l	25.0		78	33-120			
2,4-Dinitrophenol	27.3	1.6	5.0	ug/l	25.0		109	36-163			
2,4-Dinitrotoluene	22.1	0.18	1.0	ug/l	25.0		88	58-130			
2,6-Dinitrotoluene	21.3	0.27	1.0	ug/l	25.0		85	50-130			
2-Chloronaphthalene	19.0	0.45	1.0	ug/l	25.0		76	43-130			
2-Chlorophenol	19.1	0.28	1.0	ug/l	25.0		76	44-120			
2-Methyl-4,6-dinitrophenol	22.6	1.0	1.0	ug/l	25.0		91	42-150			
2-Nitrophenol	20.1	0.26	1.0	ug/l	25.0		80	41-130			
3,3'-Dichlorobenzidine	22.4	1.0	1.0	ug/l	25.0		90	18-143			
4-Bromophenyl phenyl ether	19.9	0.36	1.0	ug/l	25.0		80	53-130			
4-Chloro-3-methylphenol	21.2	0.23	1.0	ug/l	25.0		85	47-130			
4-Chlorophenyl phenyl ether	19.1	0.41	1.0	ug/l	25.0		76	44-130			
4-Nitrophenol	9.37	0.45	2.0	ug/l	25.0		37	24-100			
Acenaphthene	19.8	0.38	1.0	ug/l	25.0		79	47-130			
Acenaphthylene	20.7	0.40	1.0	ug/l	25.0		83	44-130			
Anthracene	21.1	0.34	1.0	ug/l	25.0		84	56-130			
Benzo (a) anthracene	23.2	0.19	1.0	ug/l	25.0		93	50-130			
Benzo (a) pyrene	22.9	0.13	1.0	ug/l	25.0		92	58-130			
Benzo (b) fluoranthene	24.8	0.14	1.0	ug/l	25.0		99	57-130			AN-IP
Benzo (g,h,i) perylene	25.3	0.10	1.0	ug/l	25.0		101	30-143			
Benzo (k) fluoranthene	23.8	0.22	1.0	ug/l	25.0		95	57-130			AN-IP
Bis(2-chloroethoxy)methane	19.1	0.25	1.0	ug/l	25.0		76	34-130			
Bis(2-chloroethyl)ether	18.9	0.27	1.0	ug/l	25.0		76	39-130			
Bis(2-chloroisopropyl)ether	20.6	0.38	1.0	ug/l	25.0		82	36-130			
Bis(2-ethylhexyl)phthalate	25.2	2.0	2.0	ug/l	25.0		101	44-130			
Butyl benzyl phthalate	24.2	0.18	1.0	ug/l	25.0		97	56-130			
Chrysene	23.4	0.19	1.0	ug/l	25.0		94	61-130			
Dibenzo (a,h) anthracene	25.4	0.080	1.0	ug/l	25.0		102	29-130			
Diethyl phthalate	20.6	0.15	1.0	ug/l	25.0		82	58-130			
Dimethyl phthalate	21.1	0.18	1.0	ug/l	25.0		84	50-130			
Di-n-butyl phthalate	23.6	0.24	1.0	ug/l	25.0		94	68-130			
Di-n-octyl phthalate	24.1	0.19	1.0	ug/l	25.0		96	41-130			
Fluoranthene	22.9	0.22	1.0	ug/l	25.0		92	61-130			
Fluorene	21.0	0.35	1.0	ug/l	25.0		84	59-130			
Hexachlorobenzene	19.7	0.49	1.0	ug/l	25.0		79	55-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
LCS (W9H0957-BS1)					**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
Hexachlorobutadiene	17.5	0.47	1.0	ug/l	25.0		70	41-130			
Hexachlorocyclopentadiene	9.04	1.5	5.0	ug/l	25.0		36	6-120			
Hexachloroethane	15.0	0.52	1.0	ug/l	25.0		60	42-120			
Indeno (1,2,3-cd) pyrene	23.6	0.12	1.0	ug/l	25.0		94	42-130			
Isophorone	20.2	0.21	1.0	ug/l	25.0		81	36-130			
Naphthalene	19.4	0.49	1.0	ug/l	25.0		77	41-130			
Nitrobenzene	18.5	0.36	1.0	ug/l	25.0		74	44-130			
N-Nitrosodimethylamine	14.2	0.14	1.0	ug/l	25.0		57	7-120			
N-Nitrosodi-n-propylamine	20.1	0.26	1.0	ug/l	25.0		80	37-130			
N-Nitrosodiphenylamine	16.8	0.19	1.0	ug/l	25.0		67	42-120			
Pentachlorophenol	23.1	0.19	1.0	ug/l	25.0		92	43-130			
Phenanthrene	21.1	0.32	1.0	ug/l	25.0		85	54-130			
Phenol	8.19	0.16	1.0	ug/l	25.0		33	17-100			
Pyrene	22.6	0.25	1.0	ug/l	25.0		90	55-130			
Surrogate(s)											
2,4,6-Tribromophenol	*40.8*			*ug/l*	*50.0*		*82*	*37-120*			
2-Fluorobiphenyl	*18.4*			*ug/l*	*25.0*		*73*	*43-120*			
2-Fluorophenol	*25.5*			*ug/l*	*50.0*		*51*	*31-100*			
Nitrobenzene-d5	*19.0*			*ug/l*	*25.0*		*76*	*45-120*			
Phenol-d5	*16.3*			*ug/l*	*50.0*		*33*	*15-100*			
Terphenyl-d14	*23.0*			*ug/l*	*25.0*		*92*	*61-130*			
LCS (W9H0957-BS2)					**Prepared: 08/16/19**	**Analyzed: 08/23/19**					
Benzo (g,h,i) perylene	25.3	0.10	1.0	ug/l	25.0		101	30-143			QC-2
Dibenzo (a,h) anthracene	25.8	0.080	1.0	ug/l	25.0		103	29-130			QC-2
Indeno (1,2,3-cd) pyrene	24.3	0.12	1.0	ug/l	25.0		97	42-130			QC-2
Surrogate(s)											
2,4,6-Tribromophenol	*41.5*			*ug/l*	*50.0*		*83*	*37-120*			*QC-2*
2-Fluorobiphenyl	*18.5*			*ug/l*	*25.0*		*74*	*43-120*			*QC-2*
2-Fluorophenol	*25.7*			*ug/l*	*50.0*		*51*	*31-100*			*QC-2*
Nitrobenzene-d5	*19.3*			*ug/l*	*25.0*		*77*	*45-120*			*QC-2*
Phenol-d5	*16.3*			*ug/l*	*50.0*		*33*	*15-100*			*QC-2*
Terphenyl-d14	*23.7*			*ug/l*	*25.0*		*95*	*61-130*			*QC-2*
Matrix Spike (W9H0957-MS1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
1,2,4-Trichlorobenzene	18.0	0.55	1.0	ug/l	25.0	ND	72	44-120			
1,2-Dichlorobenzene	18.7	0.57	1.0	ug/l	25.0	ND	75	46-130			
1,3-Dichlorobenzene	18.4	0.53	1.0	ug/l	25.0	ND	74	39-120			
1,4-Dichlorobenzene	17.5	0.55	1.0	ug/l	25.0	ND	70	40-120			
2,4,6-Trichlorophenol	19.3	0.22	1.0	ug/l	25.0	ND	77	37-130			
2,4-Dichlorophenol	19.3	0.26	1.0	ug/l	25.0	ND	77	43-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Matrix Spike (W9H0957-MS1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
2,4-Dimethylphenol	18.9	0.30	1.0	ug/l	25.0	ND	76	32-130			
2,4-Dinitrophenol	25.4	1.6	5.0	ug/l	25.0	ND	102	18-156			
2,4-Dinitrotoluene	21.6	0.18	1.0	ug/l	25.0	ND	87	58-130			
2,6-Dinitrotoluene	21.0	0.27	1.0	ug/l	25.0	ND	84	50-130			
2-Chloronaphthalene	19.0	0.45	1.0	ug/l	25.0	ND	76	41-120			
2-Chlorophenol	18.5	0.28	1.0	ug/l	25.0	ND	74	23-130			
2-Methyl-4,6-dinitrophenol	22.6	1.0	1.0	ug/l	25.0	ND	90	30-150			
2-Nitrophenol	19.2	0.26	1.0	ug/l	25.0	ND	77	37-130			
3,3'-Dichlorobenzidine	27.1	1.0	1.0	ug/l	25.0	ND	109	0.1-222			
4-Bromophenyl phenyl ether	19.8	0.36	1.0	ug/l	25.0	ND	79	54-130			
4-Chloro-3-methylphenol	21.1	0.23	1.0	ug/l	25.0	ND	84	24-130			
4-Chlorophenyl phenyl ether	18.4	0.41	1.0	ug/l	25.0	ND	74	49-120			
4-Nitrophenol	8.47	0.45	2.0	ug/l	25.0	ND	34	5-120			
Acenaphthene	19.0	0.38	1.0	ug/l	25.0	ND	76	47-130			
Acenaphthylene	20.5	0.40	1.0	ug/l	25.0	ND	82	33-130			
Anthracene	21.1	0.34	1.0	ug/l	25.0	ND	84	27-130			
Benzo (a) anthracene	23.4	0.19	1.0	ug/l	25.0	ND	93	39-130			
Benzo (a) pyrene	22.8	0.13	1.0	ug/l	25.0	ND	91	17-130			
Benzo (b) fluoranthene	24.8	0.14	1.0	ug/l	25.0	ND	99	54-130			AN-IP
Benzo (g,h,i) perylene	24.7	0.10	1.0	ug/l	25.0	ND	99	22-130			
Benzo (k) fluoranthene	23.9	0.22	1.0	ug/l	25.0	ND	95	44-130			AN-IP
Bis(2-chloroethoxy)methane	18.2	0.25	1.0	ug/l	25.0	ND	73	33-130			
Bis(2-chloroethyl)ether	18.1	0.27	1.0	ug/l	25.0	ND	72	30-130			
Bis(2-chloroisopropyl)ether	19.8	0.38	1.0	ug/l	25.0	ND	79	36-130			
Bis(2-ethylhexyl)phthalate	26.6	2.0	2.0	ug/l	25.0	3.53	92	50-130			
Butyl benzyl phthalate	24.6	0.18	1.0	ug/l	25.0	ND	99	56-130			
Chrysene	23.6	0.19	1.0	ug/l	25.0	ND	94	54-130			
Dibenzo (a,h) anthracene	25.2	0.080	1.0	ug/l	25.0	ND	101	33-130			
Diethyl phthalate	20.2	0.15	1.0	ug/l	25.0	ND	81	57-130			
Dimethyl phthalate	20.3	0.18	1.0	ug/l	25.0	ND	81	52-120			
Di-n-butyl phthalate	24.0	0.24	1.0	ug/l	25.0	ND	96	46-130			
Di-n-octyl phthalate	24.3	0.19	1.0	ug/l	25.0	ND	97	60-130			
Fluoranthene	23.3	0.22	1.0	ug/l	25.0	ND	93	44-130			
Fluorene	20.3	0.35	1.0	ug/l	25.0	ND	81	59-130			
Hexachlorobenzene	19.9	0.49	1.0	ug/l	25.0	ND	80	51-130			
Hexachlorobutadiene	20.9	0.47	1.0	ug/l	25.0	ND	84	42-120			
Hexachlorocyclopentadiene	9.81	1.5	5.0	ug/l	25.0	ND	39	15-120			
Hexachloroethane	17.2	0.52	1.0	ug/l	25.0	ND	69	45-120			
Indeno (1,2,3-cd) pyrene	23.6	0.12	1.0	ug/l	25.0	ND	94	37-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Matrix Spike (W9H0957-MS1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
Isophorone	19.5	0.21	1.0	ug/l	25.0	ND	78	21-130			
Naphthalene	19.7	0.49	1.0	ug/l	25.0	ND	79	39-120			
Nitrobenzene	17.9	0.36	1.0	ug/l	25.0	ND	72	41-120			
N-Nitrosodimethylamine	13.2	0.14	1.0	ug/l	25.0	ND	53	17-120			
N-Nitrosodi-n-propylamine	19.2	0.26	1.0	ug/l	25.0	ND	77	45-130			
N-Nitrosodiphenylamine	16.7	0.19	1.0	ug/l	25.0	ND	67	49-120			
Pentachlorophenol	22.8	0.19	1.0	ug/l	25.0	ND	91	18-130			
Phenanthrene	21.1	0.32	1.0	ug/l	25.0	ND	84	54-130			
Phenol	7.82	0.16	1.0	ug/l	25.0	ND	31	5-120			
Pyrene	23.1	0.25	1.0	ug/l	25.0	ND	93	54-130			
Surrogate(s)											
2,4,6-Tribromophenol	*39.2*			*ug/l*	*50.0*		*78*	*37-120*			
2-Fluorobiphenyl	*18.9*			*ug/l*	*25.0*		*75*	*43-120*			
2-Fluorophenol	*24.2*			*ug/l*	*50.0*		*48*	*31-100*			
Nitrobenzene-d5	*18.3*			*ug/l*	*25.0*		*73*	*45-120*			
Phenol-d5	*15.3*			*ug/l*	*50.0*		*31*	*15-100*			
Terphenyl-d14	*23.2*			*ug/l*	*25.0*		*93*	*61-130*			
Matrix Spike Dup (W9H0957-MSD1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
1,2,4-Trichlorobenzene	17.4	0.55	1.0	ug/l	25.0	ND	69	44-120	4	30	
1,2-Dichlorobenzene	18.2	0.57	1.0	ug/l	25.0	ND	73	46-130	3	30	
1,3-Dichlorobenzene	17.9	0.53	1.0	ug/l	25.0	ND	71	39-120	3	30	
1,4-Dichlorobenzene	17.1	0.55	1.0	ug/l	25.0	ND	68	40-120	3	30	
2,4,6-Trichlorophenol	18.8	0.22	1.0	ug/l	25.0	ND	75	37-130	3	30	
2,4-Dichlorophenol	19.4	0.26	1.0	ug/l	25.0	ND	77	43-130	0.2	30	
2,4-Dimethylphenol	18.4	0.30	1.0	ug/l	25.0	ND	74	32-130	3	30	
2,4-Dinitrophenol	28.1	1.6	5.0	ug/l	25.0	ND	113	18-156	10	30	
2,4-Dinitrotoluene	21.8	0.18	1.0	ug/l	25.0	ND	87	58-130	1	30	
2,6-Dinitrotoluene	20.5	0.27	1.0	ug/l	25.0	ND	82	50-130	2	30	
2-Chloronaphthalene	18.4	0.45	1.0	ug/l	25.0	ND	74	41-120	3	30	
2-Chlorophenol	18.0	0.28	1.0	ug/l	25.0	ND	72	23-130	3	30	
2-Methyl-4,6-dinitrophenol	22.6	1.0	1.0	ug/l	25.0	ND	91	30-150	0.1	30	
2-Nitrophenol	19.1	0.26	1.0	ug/l	25.0	ND	76	37-130	1	30	
3,3'-Dichlorobenzidine	27.2	1.0	1.0	ug/l	25.0	ND	109	0.1-222	0.3	30	
4-Bromophenyl phenyl ether	19.9	0.36	1.0	ug/l	25.0	ND	79	54-130	0.5	30	
4-Chloro-3-methylphenol	20.4	0.23	1.0	ug/l	25.0	ND	82	24-130	3	30	
4-Chlorophenyl phenyl ether	17.8	0.41	1.0	ug/l	25.0	ND	71	49-120	3	30	
4-Nitrophenol	9.53	0.45	2.0	ug/l	25.0	ND	38	5-120	12	30	
Acenaphthene	18.6	0.38	1.0	ug/l	25.0	ND	74	47-130	2	30	
Acenaphthylene	19.7	0.40	1.0	ug/l	25.0	ND	79	33-130	4	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Matrix Spike Dup (W9H0957-MSD1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
Anthracene	21.4	0.34	1.0	ug/l	25.0	ND	86	27-130	2	30	
Benzo (a) anthracene	22.9	0.19	1.0	ug/l	25.0	ND	92	39-130	2	30	
Benzo (a) pyrene	23.0	0.13	1.0	ug/l	25.0	ND	92	17-130	0.8	30	
Benzo (b) fluoranthene	24.7	0.14	1.0	ug/l	25.0	ND	99	54-130	0.3	30	AN-IP
Benzo (g,h,i) perylene	24.5	0.10	1.0	ug/l	25.0	ND	98	22-130	1	30	
Benzo (k) fluoranthene	23.7	0.22	1.0	ug/l	25.0	ND	95	44-130	0.6	30	AN-IP
Bis(2-chloroethoxy)methane	17.7	0.25	1.0	ug/l	25.0	ND	71	33-130	3	30	
Bis(2-chloroethyl)ether	17.6	0.27	1.0	ug/l	25.0	ND	71	30-130	2	30	
Bis(2-chloroisopropyl)ether	19.3	0.38	1.0	ug/l	25.0	ND	77	36-130	2	30	
Bis(2-ethylhexyl)phthalate	25.6	2.0	2.0	ug/l	25.0	3.53	88	50-130	4	30	
Butyl benzyl phthalate	23.9	0.18	1.0	ug/l	25.0	ND	96	56-130	3	30	
Chrysene	23.5	0.19	1.0	ug/l	25.0	ND	94	54-130	0.4	30	
Dibenzo (a,h) anthracene	24.8	0.080	1.0	ug/l	25.0	ND	99	33-130	2	30	
Diethyl phthalate	19.8	0.15	1.0	ug/l	25.0	ND	79	57-130	2	30	
Dimethyl phthalate	20.3	0.18	1.0	ug/l	25.0	ND	81	52-120	0.3	30	
Di-n-butyl phthalate	23.3	0.24	1.0	ug/l	25.0	ND	93	46-130	3	30	
Di-n-octyl phthalate	24.2	0.19	1.0	ug/l	25.0	ND	97	60-130	0.4	30	
Fluoranthene	23.0	0.22	1.0	ug/l	25.0	ND	92	44-130	1	30	
Fluorene	20.0	0.35	1.0	ug/l	25.0	ND	80	59-130	1	30	
Hexachlorobenzene	19.4	0.49	1.0	ug/l	25.0	ND	78	51-130	2	30	
Hexachlorobutadiene	20.3	0.47	1.0	ug/l	25.0	ND	81	42-120	3	30	
Hexachlorocyclopentadiene	9.52	1.5	5.0	ug/l	25.0	ND	38	15-120	3	30	
Hexachloroethane	16.8	0.52	1.0	ug/l	25.0	ND	67	45-120	2	30	
Indeno (1,2,3-cd) pyrene	23.3	0.12	1.0	ug/l	25.0	ND	93	37-130	1	30	
Isophorone	18.4	0.21	1.0	ug/l	25.0	ND	74	21-130	5	30	
Naphthalene	18.9	0.49	1.0	ug/l	25.0	ND	76	39-120	4	30	
Nitrobenzene	17.5	0.36	1.0	ug/l	25.0	ND	70	41-120	2	30	
N-Nitrosodimethylamine	12.8	0.14	1.0	ug/l	25.0	ND	51	17-120	2	30	
N-Nitrosodi-n-propylamine	18.6	0.26	1.0	ug/l	25.0	ND	74	45-130	4	30	
N-Nitrosodiphenylamine	16.6	0.19	1.0	ug/l	25.0	ND	67	49-120	0.5	30	
Pentachlorophenol	23.2	0.19	1.0	ug/l	25.0	ND	93	18-130	2	30	
Phenanthrene	21.2	0.32	1.0	ug/l	25.0	ND	85	54-130	0.8	30	
Phenol	7.61	0.16	1.0	ug/l	25.0	ND	30	5-120	3	30	
Pyrene	23.0	0.25	1.0	ug/l	25.0	ND	92	54-130	0.8	30	
Surrogate(s)											
2,4,6-Tribromophenol	*37.7*			*ug/l*	*50.0*		*75*	*37-120*			
2-Fluorobiphenyl	*17.7*			*ug/l*	*25.0*		*71*	*43-120*			
2-Fluorophenol	*23.2*			*ug/l*	*50.0*		*46*	*31-100*			
Nitrobenzene-d5	*17.8*			*ug/l*	*25.0*		*71*	*45-120*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0957 - EPA 625 (Continued)											
Matrix Spike Dup (W9H0957-MSD1)	**Source: 9G22090-01**				**Prepared: 08/16/19**	**Analyzed: 08/22/19**					
Surrogate(s)											
Phenol-d5	*15.1*			*ug/l*	*50.0*		*30*	*15-100*			
Terphenyl-d14	*22.4*			*ug/l*	*25.0*		*90*	*61-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1413 - EPA 300.1											
Blank (W9H1413-BLK1)					**Prepared & Analyzed: 08/26/19**						
Bromate	ND	0.63	5.0	ug/l							
Chlorite	ND	0.70	10	ug/l							
Surrogate(s)											
Dichloroacetate	*540*			*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*540*			*ug/l*	*500*		*108*	*90-115*			
LCS (W9H1413-BS1)					**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	102	0.63	5.0	ug/l	100		102	85-115			
Chlorite	97.2	0.70	10	ug/l	100		97	85-115			
Surrogate(s)											
Dichloroacetate	*549*			*ug/l*	*500*		*110*	*90-115*			
Dichloroacetate	*549*			*ug/l*	*500*		*110*	*90-115*			
Matrix Spike (W9H1413-MS1)	**Source: 9G06001-07**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	93.9	0.63	5.0	ug/l	100	ND	94	64-133			
Chlorite	92.9	0.70	10	ug/l	100	ND	93	78-129			
Surrogate(s)											
Dichloroacetate	*547*			*ug/l*	*500*		*109*	*90-115*			
Dichloroacetate	*547*			*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W9H1413-MS2)	**Source: 9H22043-03**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	102	0.63	5.0	ug/l	100	ND	102	64-133			
Chlorite	107	0.70	10	ug/l	100	ND	107	78-129			
Surrogate(s)											
Dichloroacetate	*557*			*ug/l*	*500*		*111*	*90-115*			
Dichloroacetate	*557*			*ug/l*	*500*		*111*	*90-115*			
Matrix Spike Dup (W9H1413-MSD1)	**Source: 9G06001-07**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	92.9	0.63	5.0	ug/l	100	ND	93	64-133	1	20	
Chlorite	97.9	0.70	10	ug/l	100	ND	98	78-129	5	20	
Surrogate(s)											
Dichloroacetate	*538*			*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*538*			*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W9H1413-MSD2)	**Source: 9H22043-03**				**Prepared: 08/26/19 Analyzed: 08/27/19**						
Bromate	115	0.63	5.0	ug/l	100	ND	115	64-133	12	20	
Chlorite	103	0.70	10	ug/l	100	ND	103	78-129	4	20	
Surrogate(s)											
Dichloroacetate	*560*			*ug/l*	*500*		*112*	*90-115*			
Dichloroacetate	*560*			*ug/l*	*500*		*112*	*90-115*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1290 - EPA 531.2											
Blank (W9H1290-BLK1)					**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	ND	0.48	2.0	ug/l							
Aldicarb	ND	0.38	2.0	ug/l							
Aldicarb sulfone	ND	0.45	2.0	ug/l							
Aldicarb sulfoxide	ND	0.41	2.0	ug/l							
Carbaryl	ND	0.48	2.0	ug/l							
Carbofuran	ND	0.59	2.0	ug/l							
Methiocarb	ND	0.57	2.0	ug/l							
Methomyl	ND	0.30	2.0	ug/l							
Oxamyl	ND	0.48	2.0	ug/l							
Propoxur (Baygon)	ND	0.60	2.0	ug/l							
Surrogate(s)											
BDMC	*10.5*			*ug/l*	*10.0*		*105*	*70-130*			
LCS (W9H1290-BS1)					**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	11.3	0.48	2.0	ug/l	10.0		113	70-130			
Aldicarb	10.8	0.38	2.0	ug/l	10.0		108	70-130			
Aldicarb sulfone	9.86	0.45	2.0	ug/l	10.0		99	70-130			
Aldicarb sulfoxide	10.7	0.41	2.0	ug/l	10.0		107	70-130			
Carbaryl	10.4	0.48	2.0	ug/l	10.0		104	70-130			
Carbofuran	9.37	0.59	2.0	ug/l	10.0		94	70-130			
Methiocarb	11.0	0.57	2.0	ug/l	10.0		110	70-130			
Methomyl	10.0	0.30	2.0	ug/l	10.0		100	70-130			
Oxamyl	9.91	0.48	2.0	ug/l	10.0		99	70-130			
Propoxur (Baygon)	9.87	0.60	2.0	ug/l	10.0		99	70-130			
Surrogate(s)											
BDMC	*8.49*			*ug/l*	*10.0*		*85*	*70-130*			
Matrix Spike (W9H1290-MS1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	10.9	0.48	2.0	ug/l	10.0	ND	109	70-130			
Aldicarb	10.6	0.38	2.0	ug/l	10.0	ND	106	70-130			
Aldicarb sulfone	10.4	0.45	2.0	ug/l	10.0	ND	104	70-130			
Aldicarb sulfoxide	9.98	0.41	2.0	ug/l	10.0	ND	100	70-130			
Carbaryl	11.0	0.48	2.0	ug/l	10.0	ND	110	70-130			
Carbofuran	11.2	0.59	2.0	ug/l	10.0	ND	112	70-130			
Methiocarb	9.78	0.57	2.0	ug/l	10.0	ND	98	70-130			
Methomyl	10.5	0.30	2.0	ug/l	10.0	ND	105	70-130			
Oxamyl	10.6	0.48	2.0	ug/l	10.0	ND	106	70-130			
Propoxur (Baygon)	10.3	0.60	2.0	ug/l	10.0	ND	103	70-130			
Surrogate(s)											
BDMC	*10.8*			*ug/l*	*10.0*		*108*	*70-130*			
Matrix Spike Dup (W9H1290-MSD1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
3-Hydroxycarbofuran	11.9	0.48	2.0	ug/l	10.0	ND	119	70-130	9	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1290 - EPA 531.2 (Continued)											
Matrix Spike Dup (W9H1290-MSD1)	**Source: 9H14001-01**				**Prepared & Analyzed: 08/22/19**						
Aldicarb	11.0	0.38	2.0	ug/l	10.0	ND	110	70-130	3	30	
Aldicarb sulfone	9.57	0.45	2.0	ug/l	10.0	ND	96	70-130	8	30	
Aldicarb sulfoxide	9.49	0.41	2.0	ug/l	10.0	ND	95	70-130	5	30	
Carbaryl	11.3	0.48	2.0	ug/l	10.0	ND	113	70-130	3	30	
Carbofuran	9.28	0.59	2.0	ug/l	10.0	ND	93	70-130	19	30	
Methiocarb	10.6	0.57	2.0	ug/l	10.0	ND	106	70-130	8	30	
Methomyl	9.85	0.30	2.0	ug/l	10.0	ND	99	70-130	6	30	
Oxamyl	9.71	0.48	2.0	ug/l	10.0	ND	97	70-130	8	30	
Propoxur (Baygon)	10.7	0.60	2.0	ug/l	10.0	ND	107	70-130	4	30	
Surrogate(s)											
BDMC	*8.77*			*ug/l*	*10.0*		*88*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1133 - EPA 515.4											
Blank (W9H1133-BLK1)					**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	ND	0.070	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.090	0.20	ug/l							
2,4-D	ND	0.070	0.40	ug/l							
2,4-DB	ND	0.070	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	0.090	1.0	ug/l							
Acifluorfen	ND	0.060	0.40	ug/l							
Bentazon	ND	0.11	2.0	ug/l							
Dalapon	ND	0.10	0.40	ug/l							
DCPA	ND	0.070	0.10	ug/l							
Dicamba	ND	0.12	0.60	ug/l							
Dichloroprop	ND	0.080	0.30	ug/l							
Dinoseb	ND	0.14	0.40	ug/l							
Pentachlorophenol	ND	0.040	0.20	ug/l							
Picloram	ND	0.050	0.60	ug/l							
Surrogate(s)											
2,4-DCAA	*9.90*			*ug/l*	*10.0*		*99*	*70-130*			
LCS (W9H1133-BS1)					**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	3.57	0.070	0.20	ug/l	4.00		89	70-130			
2,4,5-TP (Silvex)	3.79	0.090	0.20	ug/l	4.00		95	70-130			
2,4-D	7.30	0.070	0.40	ug/l	8.00		91	70-130			
2,4-DB	14.5	0.070	2.0	ug/l	16.0		90	70-130			
3,5-Dichlorobenzoic acid	6.93	0.090	1.0	ug/l	8.00		87	70-130			
Acifluorfen	3.73	0.060	0.40	ug/l	4.00		93	70-130			
Bentazon	14.8	0.11	2.0	ug/l	16.0		93	70-130			
Dalapon	6.91	0.10	0.40	ug/l	8.00		86	70-130			
DCPA	3.83	0.070	0.10	ug/l	4.00		96	70-130			
Dicamba	7.32	0.12	0.60	ug/l	8.00		91	70-130			
Dichloroprop	7.33	0.080	0.30	ug/l	8.00		92	70-130			
Dinoseb	3.41	0.14	0.40	ug/l	4.00		85	70-130			
Pentachlorophenol	3.77	0.040	0.20	ug/l	4.00		94	70-130			
Picloram	3.76	0.050	0.60	ug/l	4.00		94	70-130			
Surrogate(s)											
2,4-DCAA	*9.80*			*ug/l*	*10.0*		*98*	*70-130*			
Matrix Spike (W9H1133-MS1)	**Source: 9G22090-01**				**Prepared: 08/21/19 Analyzed: 08/22/19**						
2,4,5-T	3.64	0.070	0.20	ug/l	4.00	ND	91	70-130			
2,4,5-TP (Silvex)	3.91	0.090	0.20	ug/l	4.00	ND	98	70-130			
2,4-D	7.36	0.070	0.40	ug/l	8.00	ND	92	70-130			
2,4-DB	22.0	0.070	2.0	ug/l	16.0	ND	137	70-130			MS-05
3,5-Dichlorobenzoic acid	14.1	0.090	1.0	ug/l	8.00	ND	176	70-130			MS-05

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1133 - EPA 515.4 (Continued)											
Matrix Spike (W9H1133-MS1)	**Source: 9G22090-01**				**Prepared: 08/21/19**	**Analyzed: 08/22/19**					
Acifluorfen	3.37	0.060	0.40	ug/l	4.00	ND	84	70-130			
Bentazon	14.3	0.11	2.0	ug/l	16.0	ND	89	70-130			
Dalapon	6.82	0.10	0.40	ug/l	8.00	ND	85	70-130			
DCPA	3.82	0.070	0.10	ug/l	4.00	ND	95	70-130			
Dicamba	7.87	0.12	0.60	ug/l	8.00	ND	98	70-130			
Dichloroprop	6.71	0.080	0.30	ug/l	8.00	ND	84	70-130			
Dinoseb	2.62	0.14	0.40	ug/l	4.00	ND	65	70-130			MS-05
Pentachlorophenol	3.71	0.040	0.20	ug/l	4.00	ND	93	70-130			
Picloram	3.77	0.050	0.60	ug/l	4.00	ND	94	70-130			
Surrogate(s)											
2,4-DCAA	*9.75*			*ug/l*	*10.0*		*98*	*70-130*			
Matrix Spike Dup (W9H1133-MSD1)	**Source: 9G22090-01**				**Prepared: 08/21/19**	**Analyzed: 08/22/19**					
2,4,5-T	3.74	0.070	0.20	ug/l	4.00	ND	93	70-130	3	30	
2,4,5-TP (Silvex)	4.12	0.090	0.20	ug/l	4.00	ND	103	70-130	5	30	
2,4-D	7.52	0.070	0.40	ug/l	8.00	ND	94	70-130	2	30	
2,4-DB	21.1	0.070	2.0	ug/l	16.0	ND	132	70-130	4	30	MS-05
3,5-Dichlorobenzoic acid	10.7	0.090	1.0	ug/l	8.00	ND	133	70-130	28	30	MS-05
Acifluorfen	3.52	0.060	0.40	ug/l	4.00	ND	88	70-130	4	30	
Bentazon	14.9	0.11	2.0	ug/l	16.0	ND	93	70-130	4	30	
Dalapon	6.59	0.10	0.40	ug/l	8.00	ND	82	70-130	3	30	
DCPA	3.94	0.070	0.10	ug/l	4.00	ND	98	70-130	3	30	
Dicamba	8.49	0.12	0.60	ug/l	8.00	ND	106	70-130	8	30	
Dichloroprop	6.90	0.080	0.30	ug/l	8.00	ND	86	70-130	3	30	
Dinoseb	2.85	0.14	0.40	ug/l	4.00	ND	71	70-130	8	30	
Pentachlorophenol	3.88	0.040	0.20	ug/l	4.00	ND	97	70-130	5	30	
Picloram	3.77	0.050	0.60	ug/l	4.00	ND	94	70-130	0.01	30	
Surrogate(s)											
2,4-DCAA	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1081 - EPA 508											
Blank (W9H1081-BLK1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	ND	0.00090	0.010	ug/l							
4,4´-DDE	ND	0.0018	0.010	ug/l							
4,4´-DDT	ND	0.0013	0.010	ug/l							
Aldrin	ND	0.00090	0.010	ug/l							
alpha-BHC	ND	0.00080	0.010	ug/l							
Aroclor 1016	ND	0.022	0.10	ug/l							
Aroclor 1221	ND	0.084	0.10	ug/l							
Aroclor 1232	ND	0.064	0.10	ug/l							
Aroclor 1242	ND	0.070	0.10	ug/l							
Aroclor 1248	ND	0.049	0.10	ug/l							
Aroclor 1254	ND	0.068	0.10	ug/l							
Aroclor 1260	ND	0.020	0.10	ug/l							
beta-BHC	ND	0.0015	0.010	ug/l							
Chlordane (tech)	ND	0.066	0.10	ug/l							
Chlorothalonil	ND	0.0020	0.050	ug/l							
delta-BHC	ND	0.0010	0.010	ug/l							
Dieldrin	ND	0.0020	0.010	ug/l							
Endosulfan I	ND	0.00090	0.010	ug/l							
Endosulfan II	ND	0.00080	0.010	ug/l							
Endosulfan sulfate	ND	0.0013	0.010	ug/l							
Endrin	ND	0.0020	0.010	ug/l							
Endrin aldehyde	ND	0.0013	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.0015	0.010	ug/l							
Heptachlor	ND	0.00090	0.010	ug/l							
Heptachlor epoxide	ND	0.0011	0.010	ug/l							
Hexachlorobenzene	ND	0.0030	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.014	0.050	ug/l							
Methoxychlor	ND	0.0044	0.010	ug/l							
PCBs, Total	ND	0.049	0.50	ug/l							
Propachlor	ND	0.010	0.050	ug/l							
Toxaphene	ND	0.066	0.50	ug/l							
Trifluralin	ND	0.0030	0.010	ug/l							
Surrogate(s)											
Decachlorobiphenyl	*0.102*			*ug/l*	*0.100*		*102*	*70-130*			
Tetrachloro-meta-xylene	*0.0776*			*ug/l*	*0.100*		*78*	*70-130*			
LCS (W9H1081-BS1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	0.112	0.00090	0.010	ug/l	0.100		112	77-137			
4,4´-DDE	0.107	0.0018	0.010	ug/l	0.100		107	69-129			
4,4´-DDT	0.123	0.0013	0.010	ug/l	0.100		123	82-142			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1081 - EPA 508 (Continued)											
LCS (W9H1081-BS1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
Aldrin	0.0906	0.00090	0.010	ug/l	0.100		91	56-116			
alpha-BHC	0.112	0.00080	0.010	ug/l	0.100		112	62-122			
beta-BHC	0.113	0.0015	0.010	ug/l	0.100		113	65-125			
delta-BHC	0.144	0.0010	0.010	ug/l	0.100		144	72-132			Q-08
Dieldrin	0.114	0.0020	0.010	ug/l	0.100		114	57-117			
Endosulfan I	0.111	0.00090	0.010	ug/l	0.100		111	57-117			
Endosulfan II	0.116	0.00080	0.010	ug/l	0.100		116	62-122			
Endosulfan sulfate	0.130	0.0013	0.010	ug/l	0.100		130	72-132			
Endrin	0.124	0.0020	0.010	ug/l	0.100		124	58-118			Q-08
Endrin aldehyde	0.115	0.0013	0.010	ug/l	0.100		115	58-118			
gamma-BHC (Lindane)	0.113	0.0015	0.010	ug/l	0.100		113	59-119			
Heptachlor	0.0966	0.00090	0.010	ug/l	0.100		97	68-128			
Heptachlor epoxide	0.115	0.0011	0.010	ug/l	0.100		115	57-117			
Methoxychlor	0.118	0.0044	0.010	ug/l	0.100		118	75-135			
Surrogate(s)											
Decachlorobiphenyl	*0.111*			*ug/l*	*0.100*		*111*	*70-130*			
Tetrachloro-meta-xylene	*0.0826*			*ug/l*	*0.100*		*83*	*70-130*			
LCS Dup (W9H1081-BSD1)					**Prepared: 08/20/19 Analyzed: 08/29/19**						
4,4´-DDD	0.114	0.00090	0.010	ug/l	0.100		114	77-137	1	25	
4,4´-DDE	0.107	0.0018	0.010	ug/l	0.100		107	69-129	0.008	25	
4,4´-DDT	0.123	0.0013	0.010	ug/l	0.100		123	82-142	0.07	25	
Aldrin	0.0943	0.00090	0.010	ug/l	0.100		94	56-116	4	25	
alpha-BHC	0.115	0.00080	0.010	ug/l	0.100		115	62-122	3	25	
beta-BHC	0.115	0.0015	0.010	ug/l	0.100		115	65-125	1	25	
delta-BHC	0.141	0.0010	0.010	ug/l	0.100		141	72-132	2	25	Q-08
Dieldrin	0.114	0.0020	0.010	ug/l	0.100		114	57-117	0.2	25	
Endosulfan I	0.112	0.00090	0.010	ug/l	0.100		112	57-117	0.9	25	
Endosulfan II	0.116	0.00080	0.010	ug/l	0.100		116	62-122	0.05	25	
Endosulfan sulfate	0.129	0.0013	0.010	ug/l	0.100		129	72-132	0.8	25	
Endrin	0.124	0.0020	0.010	ug/l	0.100		124	58-118	0.4	25	Q-08
Endrin aldehyde	0.115	0.0013	0.010	ug/l	0.100		115	58-118	0.03	25	
gamma-BHC (Lindane)	0.115	0.0015	0.010	ug/l	0.100		115	59-119	2	25	
Heptachlor	0.0977	0.00090	0.010	ug/l	0.100		98	68-128	1	25	
Heptachlor epoxide	0.116	0.0011	0.010	ug/l	0.100		116	57-117	0.8	25	
Methoxychlor	0.123	0.0044	0.010	ug/l	0.100		123	75-135	4	25	
Surrogate(s)											
Decachlorobiphenyl	*0.110*			*ug/l*	*0.100*		*110*	*70-130*			
Tetrachloro-meta-xylene	*0.0804*			*ug/l*	*0.100*		*80*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results (Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0995 - EPA 549.2											
Blank (W9H0995-BLK1)					**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	ND	0.90	2.0	ug/l							
LCS (W9H0995-BS1)					**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	21.9	0.90	2.0	ug/l	20.0		109	70-130			
Matrix Spike (W9H0995-MS1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	8.28	0.90	2.0	ug/l	20.0	ND	41	46-122			MS-05
Matrix Spike Dup (W9H0995-MSD1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/23/19**					
Diquat	8.75	0.90	2.0	ug/l	20.0	ND	44	46-122	6	30	MS-05

Quality Control Results (Continued)

Endothall By EPA 548.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1074 - EPA 548.1											
Blank (W9H1074-BLK1)					**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	ND	3.5	40	ug/l							
LCS (W9H1074-BS1)					**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	83.2	3.5	40	ug/l	100		83	31-117			
Matrix Spike (W9H1074-MS1)	**Source: 9H19100-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	22.6	7.0	80	ug/l	200	ND	11	0.1-109			J
Matrix Spike (W9H1074-MS2)	**Source: 9H15070-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	19.1	7.0	80	ug/l	200	ND	10	0.1-109			J
Matrix Spike Dup (W9H1074-MSD1)	**Source: 9H19100-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	12.0	7.0	80	ug/l	200	ND	6	0.1-109	61	30	J, MS-05
Matrix Spike Dup (W9H1074-MSD2)	**Source: 9H15070-01**				**Prepared: 08/20/19**	**Analyzed: 09/03/19**					
Endothall	16.7	7.0	80	ug/l	200	ND	8	0.1-109	14	30	J

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Fumigants by EPA Method 504.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1101 - EPA 504.1											
Blank (W9H1101-BLK1)					**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l							
LCS (W9H1101-BS1)					**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.104	0.0034	0.010	ug/l	0.100		104	70-130			
1,2-Dibromoethane (EDB)	0.0872	0.0054	0.020	ug/l	0.100		87	70-130			
LCS (W9H1101-BS2)					**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.00905	0.0034	0.010	ug/l	0.0100		91	70-130			J
1,2-Dibromoethane (EDB)	0.00764	0.0054	0.020	ug/l	0.0100		76	70-130			J
LCS Dup (W9H1101-BSD1)					**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.0876	0.0034	0.010	ug/l	0.100		88	70-130	17	30	
1,2-Dibromoethane (EDB)	0.0777	0.0054	0.020	ug/l	0.100		78	70-130	12	30	
Matrix Spike (W9H1101-MS1)	**Source: 9H19088-01**				**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.0888	0.0034	0.010	ug/l	0.100	0.00389	85	65-135			
1,2-Dibromoethane (EDB)	0.0833	0.0054	0.020	ug/l	0.100	ND	83	65-135			
Matrix Spike Dup (W9H1101-MSD1)	**Source: 9H19088-01**				**Prepared & Analyzed: 08/20/19**						
1,2-Dibromo-3-chloropropane	0.0911	0.0034	0.010	ug/l	0.100	0.00389	87	65-135	3	30	
1,2-Dibromoethane (EDB)	0.0833	0.0054	0.020	ug/l	0.100	ND	83	65-135	0.09	30	
Batch: W9H1249 - EPA 504.1											
Blank (W9H1249-BLK1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	ND	0.0034	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0054	0.020	ug/l							
LCS (W9H1249-BS1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0909	0.0034	0.010	ug/l	0.100		91	70-130			
1,2-Dibromoethane (EDB)	0.0879	0.0054	0.020	ug/l	0.100		88	70-130			
LCS (W9H1249-BS2)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.00934	0.0034	0.010	ug/l	0.0100		93	70-130			J
1,2-Dibromoethane (EDB)	0.00766	0.0054	0.020	ug/l	0.0100		77	70-130			J
LCS Dup (W9H1249-BSD1)					**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0918	0.0034	0.010	ug/l	0.100		92	70-130	1	30	
1,2-Dibromoethane (EDB)	0.0870	0.0054	0.020	ug/l	0.100		87	70-130	1	30	
Matrix Spike (W9H1249-MS1)	**Source: 9G22090-01**				**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0847	0.0034	0.010	ug/l	0.100	ND	85	65-135			
1,2-Dibromoethane (EDB)	0.0785	0.0054	0.020	ug/l	0.100	ND	79	65-135			
Matrix Spike Dup (W9H1249-MSD1)	**Source: 9G22090-01**				**Prepared & Analyzed: 08/22/19**						
1,2-Dibromo-3-chloropropane	0.0841	0.0034	0.010	ug/l	0.100	ND	84	65-135	0.7	30	
1,2-Dibromoethane (EDB)	0.0794	0.0054	0.020	ug/l	0.100	ND	79	65-135	1	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1014 - EPA 547											
Blank (W9H1014-BLK1)					**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	ND	1.8	5.0	ug/l							
Blank (W9H1014-BLK2)					**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	ND	1.8	5.0	ug/l							QC-2
LCS (W9H1014-BS1)					**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	24.0	1.8	5.0	ug/l	25.0		96	70-130			
LCS (W9H1014-BS2)					**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	25.1	1.8	5.0	ug/l	25.0		100	70-130			QC-2
Matrix Spike (W9H1014-MS1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	22.8	1.8	5.0	ug/l	25.0	ND	91	41-149			
Matrix Spike (W9H1014-MS2)	**Source: 9H19100-01**				**Prepared: 08/19/19**	**Analyzed: 08/21/19**					
Glyphosate	21.9	1.8	5.0	ug/l	25.0	ND	88	41-149			
Matrix Spike Dup (W9H1014-MSD1)	**Source: 9H15070-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	22.4	1.8	5.0	ug/l	25.0	ND	90	41-149	2	30	
Matrix Spike Dup (W9H1014-MSD2)	**Source: 9H19100-01**				**Prepared: 08/19/19**	**Analyzed: 08/20/19**					
Glyphosate	27.6	1.8	5.0	ug/l	25.0	ND	110	41-149	23	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1471 - EPA 552.3											
Blank (W9H1471-BLK1)					**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	ND	0.32	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	0.37	1.0	ug/l							
HAA5, Total	ND	1.0	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	0.39	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	0.34	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	0.28	1.0	ug/l							
Surrogate(s)											
2-Bromobutyric acid	*9.92*			*ug/l*	*10.0*		*99*	*70-130*			
LCS (W9H1471-BS1)					**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.18	0.32	1.0	ug/l	10.0		82	70-130			
Dichloroacetic acid (dcaa)	8.68	0.37	1.0	ug/l	10.0		87	70-130			
Monobromoacetic acid (mbaa)	7.73	0.39	1.0	ug/l	10.0		77	70-130			
Monochloroacetic acid (mcaa)	7.72	0.34	2.0	ug/l	10.0		77	70-130			
Trichloroacetic acid (tcaa)	9.33	0.28	1.0	ug/l	10.0		93	70-130			
Surrogate(s)											
2-Bromobutyric acid	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike (W9H1471-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.86	0.32	1.0	ug/l	10.0	ND	89	70-130			
Dichloroacetic acid (dcaa)	9.41	0.37	1.0	ug/l	10.0	ND	94	70-130			
Monobromoacetic acid (mbaa)	8.30	0.39	1.0	ug/l	10.0	ND	83	70-130			
Monochloroacetic acid (mcaa)	8.37	0.34	2.0	ug/l	10.0	ND	84	70-130			
Trichloroacetic acid (tcaa)	10.2	0.28	1.0	ug/l	10.0	ND	102	70-130			
Surrogate(s)											
2-Bromobutyric acid	*9.87*			*ug/l*	*10.0*		*99*	*70-130*			
Matrix Spike Dup (W9H1471-MSD1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/04/19**					
Dibromoacetic acid (dbaa)	8.95	0.32	1.0	ug/l	10.0	ND	90	70-130	1	30	
Dichloroacetic acid (dcaa)	9.67	0.37	1.0	ug/l	10.0	ND	97	70-130	3	30	
Monobromoacetic acid (mbaa)	8.33	0.39	1.0	ug/l	10.0	ND	83	70-130	0.3	30	
Monochloroacetic acid (mcaa)	8.16	0.34	2.0	ug/l	10.0	ND	82	70-130	3	30	
Trichloroacetic acid (tcaa)	10.4	0.28	1.0	ug/l	10.0	ND	104	70-130	1	30	
Surrogate(s)											
2-Bromobutyric acid	*10.0*			*ug/l*	*10.0*		*100*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results (Continued)

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1182 - EPA 218.6											
Blank (W9H1182-BLK1)					**Prepared & Analyzed: 08/21/19**						
Chromium 6+	ND	0.0048	0.020	ug/l							
LCS (W9H1182-BS1)					**Prepared & Analyzed: 08/21/19**						
Chromium 6+	4.90	0.0048	0.020	ug/l	5.00		98	90-110			
Matrix Spike (W9H1182-MS1)	**Source: 9H14112-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	10.3	0.0048	0.020	ug/l	5.00	5.11	104	88-112			
Matrix Spike (W9H1182-MS2)	**Source: 9H15052-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	5.21	0.0048	0.020	ug/l	5.00	0.0356	103	88-112			
Matrix Spike Dup (W9H1182-MSD1)	**Source: 9H14112-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	9.92	0.0048	0.020	ug/l	5.00	5.11	96	88-112	4	10	
Matrix Spike Dup (W9H1182-MSD2)	**Source: 9H15052-01**				**Prepared & Analyzed: 08/21/19**						
Chromium 6+	5.01	0.0048	0.020	ug/l	5.00	0.0356	99	88-112	4	10	

Quality Control Results (Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H0993 - EPA 1625M											
Blank (W9H0993-BLK1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l							
LCS (W9H0993-BS1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	3.64	0.50	2.0	ng/l	3.00		121	50-150			
LCS Dup (W9H0993-BSD1)					**Prepared: 08/19/19 Analyzed: 08/28/19**						
N-Nitrosodimethylamine	3.21	0.50	2.0	ng/l	3.00		107	50-150	12	50	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0412 - EPA 1694M-APCI											
Blank (W9I0412-BLK1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	ND	0.56	1.0	ng/l							
17-b-Estradiol	ND	0.31	1.0	ng/l							
Estrone	ND	0.20	1.0	ng/l							
Progesterone	ND	0.17	1.0	ng/l							
Testosterone	ND	0.14	1.0	ng/l							
LCS (W9I0412-BS1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	10.2	0.56	1.0	ng/l	10.0		102	68-159			
17-b-Estradiol	6.50	0.31	1.0	ng/l	10.0		65	65-146			
Estrone	11.4	0.20	1.0	ng/l	10.0		114	59-141			
Progesterone	9.68	0.17	1.0	ng/l	10.0		97	58-154			
Testosterone	10.2	0.14	1.0	ng/l	10.0		102	60-172			
LCS Dup (W9I0412-BSD1)					**Prepared: 09/09/19**	**Analyzed: 10/09/19**					
17-a-Ethynylestradiol	13.3	0.56	1.0	ng/l	10.0		133	68-159	26	30	
17-b-Estradiol	21.6	0.31	1.0	ng/l	10.0		216	65-146	107	30	BS-04
Estrone	16.7	0.20	1.0	ng/l	10.0		167	59-141	38	30	Q-08
Progesterone	8.32	0.17	1.0	ng/l	10.0		83	58-154	15	30	
Testosterone	3.21	0.14	1.0	ng/l	10.0		32	60-172	104	30	BS-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0414 - EPA 1694M-ESI-											
Blank (W9I0414-BLK1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	1.19	0.27	1.0	ng/l							B-06
Diclofenac	ND	0.26	1.0	ng/l							
Gemfibrozil	ND	0.080	1.0	ng/l							
Ibuprofen	ND	0.39	1.0	ng/l							
Iopromide	ND	1.8	5.0	ng/l							
Naproxen	ND	0.25	1.0	ng/l							
Salicylic Acid	33.4	0.86	50	ng/l							J
Triclosan	ND	1.2	2.0	ng/l							
LCS (W9I0414-BS1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	10.5	0.27	1.0	ng/l	10.0		105	53-168			
Diclofenac	14.5	0.26	1.0	ng/l	10.0		145	37-218			
Gemfibrozil	9.78	0.080	1.0	ng/l	10.0		98	76-122			
Ibuprofen	14.4	0.39	1.0	ng/l	10.0		144	67-139			BS-H
Iopromide	53.8	1.8	5.0	ng/l	50.0		108	0.1-163			
Naproxen	15.4	0.25	1.0	ng/l	10.0		154	64-138			Q-08
Salicylic Acid	126	0.86	50	ng/l	100		126	56-229			
Triclosan	11.1	1.2	2.0	ng/l	10.0		111	76-139			
LCS Dup (W9I0414-BSD1)					**Prepared: 09/09/19 Analyzed: 09/27/19**						
Bisphenol A	15.2	0.27	1.0	ng/l	10.0		152	53-168	37	30	Q-12
Diclofenac	16.0	0.26	1.0	ng/l	10.0		160	37-218	10	30	
Gemfibrozil	10.5	0.080	1.0	ng/l	10.0		105	76-122	7	30	
Ibuprofen	14.8	0.39	1.0	ng/l	10.0		148	67-139	3	30	BS-H
Iopromide	62.6	1.8	5.0	ng/l	50.0		125	0.1-163	15	30	
Naproxen	16.1	0.25	1.0	ng/l	10.0		161	64-138	4	30	Q-08
Salicylic Acid	135	0.86	50	ng/l	100		135	56-229	7	30	
Triclosan	10.8	1.2	2.0	ng/l	10.0		108	76-139	3	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9I0410 - EPA 1694M-ESI+											
Blank (W9I0410-BLK1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	ND	0.31	1.0	ng/l							
DEET	0.359	0.060	1.0	ng/l							J
Sucralose	ND	5.0	5.0	ng/l							
LCS (W9I0410-BS1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	12.9	0.31	1.0	ng/l	10.0		129	55-152			
DEET	9.59	0.060	1.0	ng/l	10.0		96	45-135			
Sucralose	90.9	5.0	5.0	ng/l	50.0		182	50-150			BS-H
LCS Dup (W9I0410-BSD1)					**Prepared: 09/09/19**	**Analyzed: 09/30/19**					
Caffeine	9.64	0.31	1.0	ng/l	10.0		96	55-152	29	30	
DEET	12.0	0.060	1.0	ng/l	10.0		120	45-135	22	30	
Sucralose	154	5.0	5.0	ng/l	50.0		308	50-150	52	30	BS-H

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2											
Blank (W9H1437-BLK1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	ND	0.022	0.10	ug/l							
Atrazine	ND	0.034	0.10	ug/l							
Benzo (a) pyrene	ND	0.070	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	0.10	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	1.1	2.0	ug/l							
Bromacil	ND	0.038	0.50	ug/l							
Butachlor	ND	0.017	0.10	ug/l							
Captan	ND	0.86	1.0	ug/l							
Chlorpropham	ND	0.010	0.10	ug/l							
Cyanazine	ND	0.024	0.10	ug/l							
Diazinon	ND	0.096	0.10	ug/l							
Dimethoate	ND	0.024	0.20	ug/l							
Diphenamid	ND	0.024	0.10	ug/l							
Disulfoton	ND	0.031	0.10	ug/l							
EPTC	ND	0.017	0.10	ug/l							
Metolachlor	ND	0.012	0.10	ug/l							
Metribuzin	ND	0.015	0.10	ug/l							
Molinate	ND	0.039	0.10	ug/l							
Prometon	ND	0.024	0.10	ug/l							
Prometryn	ND	0.036	0.10	ug/l							
Simazine	ND	0.015	0.10	ug/l							
Terbacil	ND	0.55	2.0	ug/l							
Thiobencarb	ND	0.025	0.10	ug/l							
Trithion	ND	0.012	0.10	ug/l							
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.73*			*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.14*			*ug/l*	*5.00*		*83*	*50-120*			
Triphenyl phosphate	*3.96*			*ug/l*	*5.00*		*79*	*70-130*			
LCS (W9H1437-BS1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	5.64	0.022	0.10	ug/l	5.00		113	70-130			
Atrazine	5.99	0.034	0.10	ug/l	5.00		120	70-130			
Benzo (a) pyrene	5.18	0.070	0.10	ug/l	5.00		104	60-130			
Bis(2-ethylhexyl)adipate	6.00	0.10	2.0	ug/l	5.00		120	70-130			
Bis(2-ethylhexyl)phthalate	5.78	1.1	2.0	ug/l	5.00		116	70-130			
Bromacil	5.57	0.038	0.50	ug/l	5.00		111	70-130			
Butachlor	5.97	0.017	0.10	ug/l	5.00		119	70-130			
Captan	7.79	0.86	1.0	ug/l	5.00		156	70-130			Q-08
Chlorpropham	6.08	0.010	0.10	ug/l	5.00		122	70-130			
Cyanazine	5.87	0.024	0.10	ug/l	5.00		117	70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2 (Continued)											
LCS (W9H1437-BS1)					**Prepared: 08/27/19 Analyzed: 09/06/19**						
Diazinon	4.52	0.096	0.10	ug/l	5.00		90	50-120			
Dimethoate	5.73	0.024	0.20	ug/l	5.00		115	50-120			
Diphenamid	5.60	0.024	0.10	ug/l	5.00		112	70-130			
Disulfoton	4.18	0.031	0.10	ug/l	5.00		84	50-120			
EPTC	5.07	0.017	0.10	ug/l	5.00		101	70-130			
Metolachlor	5.81	0.012	0.10	ug/l	5.00		116	60-130			
Metribuzin	5.51	0.015	0.10	ug/l	5.00		110	50-120			
Molinate	5.36	0.039	0.10	ug/l	5.00		107	70-130			
Prometon	1.12	0.024	0.10	ug/l	5.00		22	15-120			
Prometryn	4.04	0.036	0.10	ug/l	5.00		81	30-120			
Simazine	4.89	0.015	0.10	ug/l	5.00		98	60-130			
Terbacil	6.52	0.55	2.0	ug/l	5.00		130	70-130			
Thiobencarb	4.96	0.025	0.10	ug/l	5.00		99	70-130			
Trithion	5.78	0.012	0.10	ug/l	5.00		116	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.56*			*ug/l*	*5.00*		*91*	*70-130*			
Perylene-d12	*4.96*			*ug/l*	*5.00*		*99*	*50-120*			
Triphenyl phosphate	*6.16*			*ug/l*	*5.00*		*123*	*70-130*			
Matrix Spike (W9H1437-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19 Analyzed: 09/06/19**						
Alachlor	5.65	0.022	0.10	ug/l	5.00	ND	113	70-130			
Atrazine	6.23	0.034	0.10	ug/l	5.00	ND	125	70-130			
Benzo (a) pyrene	5.57	0.070	0.10	ug/l	5.00	ND	111	60-130			
Bis(2-ethylhexyl)adipate	6.35	0.10	2.0	ug/l	5.00	ND	127	70-130			
Bis(2-ethylhexyl)phthalate	6.05	1.1	2.0	ug/l	5.00	ND	121	70-130			
Bromacil	6.45	0.038	0.50	ug/l	5.00	ND	129	70-130			
Butachlor	5.56	0.017	0.10	ug/l	5.00	ND	111	70-130			
Captan	7.91	0.86	1.0	ug/l	5.00	ND	158	70-130			Q-08
Chlorpropham	6.84	0.010	0.10	ug/l	5.00	ND	137	70-130			MS-05
Cyanazine	5.69	0.024	0.10	ug/l	5.00	ND	114	70-130			
Diazinon	4.96	0.096	0.10	ug/l	5.00	ND	99	50-120			
Dimethoate	6.59	0.024	0.20	ug/l	5.00	ND	132	50-120			MS-05
Diphenamid	5.74	0.024	0.10	ug/l	5.00	ND	115	70-130			
Disulfoton	4.79	0.031	0.10	ug/l	5.00	ND	96	50-120			
EPTC	5.16	0.017	0.10	ug/l	5.00	ND	103	70-130			
Metolachlor	6.04	0.012	0.10	ug/l	5.00	ND	121	60-130			
Metribuzin	6.16	0.015	0.10	ug/l	5.00	ND	123	50-120			MS-05
Molinate	5.63	0.039	0.10	ug/l	5.00	ND	113	70-130			
Prometon	1.77	0.024	0.10	ug/l	5.00	ND	35	15-120			
Prometryn	3.86	0.036	0.10	ug/l	5.00	ND	77	30-120			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W9H1437 - EPA 525.2 (Continued)											
Matrix Spike (W9H1437-MS1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/06/19**					
Simazine	5.19	0.015	0.10	ug/l	5.00	ND	104	60-130			
Terbacil	7.62	0.55	2.0	ug/l	5.00	ND	152	70-130			MS-05
Thiobencarb	5.16	0.025	0.10	ug/l	5.00	ND	103	70-130			
Trithion	5.44	0.012	0.10	ug/l	5.00	ND	109	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.84*			*ug/l*	*5.00*		*97*	*70-130*			
Perylene-d12	*4.99*			*ug/l*	*5.00*		*100*	*50-120*			
Triphenyl phosphate	*6.49*			*ug/l*	*5.00*		*130*	*70-130*			
Matrix Spike Dup (W9H1437-MSD1)	**Source: 9G22090-01**				**Prepared: 08/27/19**	**Analyzed: 09/06/19**					
Alachlor	5.70	0.022	0.10	ug/l	5.00	ND	114	70-130	1	30	
Atrazine	5.59	0.034	0.10	ug/l	5.00	ND	112	70-130	11	30	
Benzo (a) pyrene	5.65	0.070	0.10	ug/l	5.00	ND	113	60-130	1	30	
Bis(2-ethylhexyl)adipate	6.28	0.10	2.0	ug/l	5.00	ND	126	70-130	1	30	
Bis(2-ethylhexyl)phthalate	5.91	1.1	2.0	ug/l	5.00	ND	118	70-130	2	30	
Bromacil	6.55	0.038	0.50	ug/l	5.00	ND	131	70-130	2	30	MS-05
Butachlor	5.54	0.017	0.10	ug/l	5.00	ND	111	70-130	0.3	30	
Captan	7.42	0.86	1.0	ug/l	5.00	ND	148	70-130	6	30	Q-08
Chlorpropham	6.96	0.010	0.10	ug/l	5.00	ND	139	70-130	2	30	MS-05
Cyanazine	5.39	0.024	0.10	ug/l	5.00	ND	108	70-130	5	30	
Diazinon	5.12	0.096	0.10	ug/l	5.00	ND	102	50-120	3	30	
Dimethoate	6.25	0.024	0.20	ug/l	5.00	ND	125	50-120	5	30	MS-05
Diphenamid	5.49	0.024	0.10	ug/l	5.00	ND	110	70-130	5	30	
Disulfoton	5.02	0.031	0.10	ug/l	5.00	ND	100	50-120	5	30	
EPTC	5.35	0.017	0.10	ug/l	5.00	ND	107	70-130	4	30	
Metolachlor	5.78	0.012	0.10	ug/l	5.00	ND	116	60-130	4	30	
Metribuzin	6.08	0.015	0.10	ug/l	5.00	ND	122	50-120	1	30	MS-05
Molinate	5.68	0.039	0.10	ug/l	5.00	ND	114	70-130	0.9	30	
Prometon	1.95	0.024	0.10	ug/l	5.00	ND	39	15-120	10	30	
Prometryn	4.18	0.036	0.10	ug/l	5.00	ND	84	30-120	8	30	
Simazine	5.09	0.015	0.10	ug/l	5.00	ND	102	60-130	2	30	
Terbacil	7.52	0.55	2.0	ug/l	5.00	ND	150	70-130	1	30	MS-05
Thiobencarb	5.38	0.025	0.10	ug/l	5.00	ND	108	70-130	4	30	
Trithion	5.34	0.012	0.10	ug/l	5.00	ND	107	70-130	2	30	
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.97*			*ug/l*	*5.00*		*99*	*70-130*			
Perylene-d12	*5.14*			*ug/l*	*5.00*		*103*	*50-120*			
Triphenyl phosphate	*6.18*			*ug/l*	*5.00*		*124*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 418266

Project Manager: Albert Vargas

Reported:
11/27/2019 11:06

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
B-06	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch.
BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
BS-H	The recovery of this analyte in the BS/LCS was over the control limit. Sample result is suspect.
E-01	The concentration indicated for this analyte is an estimated value above the calibration range.
I-05	Low internal standard recovery possibly due to matrix interference. The result is suspect.
J	Estimated conc. detected <MRL and >MDL.
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
M-04	Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
% Rec	Percent Recovery
Dil	Dilution
dry	Sample results reported on a dry weight basis
MDA	Minimum Detectable Activity
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
NR	Not Reportable
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

9H15076

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

Weck Labs - Sub
14859 Clark Ave.
Hacienda Heights, CA
91745

ATTN: Regina Giancola
PO# 1038423

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	1625CM	
Water	08/13/19 13:30	LAMW-5S (418266-001)	1694M_OUT	
Water	08/13/19 13:30	LAMW-5S (418266-001)	218.6_OUT	
Water	08/13/19 13:30	LAMW-5S (418266-001)	300.1_OUT	
Water	08/13/19 13:30	LAMW-5S (418266-001)	504.1_Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	508 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	515.3 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	525.2 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	531.1 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	547 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	548.1 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	549.2 Out	
Water	08/13/19 13:30	LAMW-5S (418266-001)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 13:30	LAMW-5S (418266-001)	625 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1625CM	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1694M_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	218.6_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	300.1_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	504.1_Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	508 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	515.3 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	525.2 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	531.1 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	547 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	548.1 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	549.2 Out	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	625 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1625CM	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1694M_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	218.6_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	300.1_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	504.1_Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	508 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	515.3 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	525.2 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	531.1 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	547 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	548.1 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	549.2 Out	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	625 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	1625CM	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	1694M_OUT	

9H15070

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	218.6_OUT	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	300.1_OUT	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	504.1_Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	508 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	515.3 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	525.2 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	531.1 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	547 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	548.1 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	549.2 Out	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	625 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1625CM	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1694M_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	218.6_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	300.1_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	504.1_Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	508 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	515.3 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	525.2 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	531.1 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	547 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	548.1 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	549.2 Out	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	552.2 Haloacetic Acid_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	625 Out	

Note:
Standard TAT

See attached list for required RLs

Relinquished By	Received By:
Date/Time 8/15/19 1223	Date/Time 8/15/19 12:23
Date/Time 8-15-19 1408	Date/Time 8/15/19 1409
4.8° LAF 8/15	8-15-19 4.8° T-022

9H19070

Compound	Method	New RL	Units	
Bromate	EPA 300.1	5	ug/L	Weck
Chlorite	EPA 300.1	10	ug/L	Weck
DBCP	EPA 504.1	0.01	ug/L	Weck
EDB	EPA 504.1	0.02	ug/L	Weck
Endrin	EPA 508	0.01	ug/L	Weck
Heptachlor	EPA 508	0.01	ug/L	Weck
Heptachlor Epoxide	EPA 508	0.01	ug/L	Weck
Hexachlororbenzene	EPA 508	0.05	ug/L	Weck
Hexachlorocyclopentadiene	EPA 508	0.05	ug/L	Weck
Lindane	EPA 508	0.01	ug/L	Weck
Methoxychlor	EPA 508	0.01	ug/L	Weck
PCBs	EPA 508	0.5	ug/L	Weck
PCBs (1016,1221,1232,1242,1248,1254,1260)	EPA 508	0.5	ug/L	Weck
Toxaphene	EPA 508	0.5	ug/L	Weck
Aldrin	EPA 508	0.01	ug/L	Weck
a-BHC	EPA 508	0.01	ug/L	Weck
b-BHC	EPA 508	0.01	ug/L	Weck
g-BHC	EPA 508	0.01	ug/L	Weck
d-BHC	EPA 508	0.01	ug/L	Weck
4,4'-DDT	EPA 508	0.01	ug/L	Weck
4,4'-DDE	EPA 508	0.01	ug/L	Weck
4-4'-DDD	EPA 508	0.01	ug/L	Weck
Chlordane	EPA 508	0.1	ug/L	Weck
Dieldrin	EPA 508	0.01	ug/L	Weck
a-Endosulfan	EPA 508	0.01	ug/L	Weck
b-Endosulfan	EPA 508	0.01	ug/L	Weck
Endosulfan Sulfate	EPA 508	0.01	ug/L	Weck
Endrin Aldehyde	EPA 508	0.01	ug/L	Weck
Bentazon	EPA 515.3	2	ug/L	Weck
2,4-D	EPA 515.3	0.4	ug/L	Weck
Dalapon	EPA 515.3	0.4	ug/L	Weck
Dinoseb	EPA 515.3	0.4	ug/L	Weck
Picloram	EPA 515.3	0.6	ug/L	Weck
2,4,5-TP (Silvex)	EPA 515.3	0.2	ug/L	Weck
Alachlor	EPA 525.2	0.1	ug/L	Weck
Atrazine	EPA 525.2	0.1	ug/L	Weck
Molinate	EPA 525.2	0.1	ug/L	Weck
Simazine	EPA 525.2	0.1	ug/L	Weck
Thiobencarb	EPA 525.2	0.1	ug/L	Weck
Benzo(a)pyrene	EPA 525.2	0.1	ug/L	Weck
Di(2-ethylhexyl)adipate	EPA 525.2	2	ug/L	Weck
Di(2-ethylhexyl)phthalate	EPA 525.2	2	ug/L	Weck
Pentachlorophenol	EPA 531.1	5	ug/L	Weck
Carbofuran	EPA 531.1	2	ug/L	Weck
Oxamyl	EPA 531.1	2	ug/L	Weck
Glyphosate	EPA 547	5	ug/L	Weck
Diquat	EPA 548.1	2	ug/L	Weck
Endothall	EPA 549	40	ug/L	Weck
Monochloroacetic acid	EPA 552.2	2	ug/L	Weck
Dichloroacetic acid	EPA 552.2	1	ug/L	Weck

9H15070

Trichloroacetic acid	EPA 552.2	1	ug/L	Weck
Monobromoacetic acid	EPA 552.2	1	ug/L	Weck
Dibromoacetic acid	EPA 552.2	1	ug/L	Weck
2-Chlorophenol	EPA 625	1	ug/L	Weck
2,4-Dichlorophenol	EPA 625	1	ug/L	Weck
2,4-Dimethylphenol	EPA 625	1	ug/L	Weck
4,6-Dinitro-2-Methylphenol	EPA 625	1	ug/L	Weck
2,4-Dinitrophenol	EPA 625	5	ug/L	Weck
2-Nitrophenol	EPA 625	1	ug/L	Weck
4-Nitrophenol	EPA 625	2	ug/L	Weck
4-Chloro-3-Methylphenol	EPA 625	1	ug/L	Weck
Pentachlorophenol	EPA 625	1	ug/L	Weck
Phenol	EPA 625	1	ug/L	Weck
2,4,6-Trichlorophenol	EPA 625	1	ug/L	Weck
Acenapthene	EPA 625	1	ug/L	Weck
Acenaphthylene	EPA 625	1	ug/L	Weck
Anthracene	EPA 625	1	ug/L	Weck
Benzidine	EPA 625	10	ug/L	Weck
Benzo(a)anthracene	EPA 625	1	ug/L	Weck
Benzo(b)fluoranthene	EPA 625	1	ug/L	Weck
Benzo(ghi)perylene	EPA 625	1	ug/L	Weck
Benzo(k)fluoranthene	EPA 625	1	ug/L	Weck
Bis(2-chloroethoxy) Methane	EPA 625	1	ug/L	Weck
Bis(2-chloroethyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-chloroisopropyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-ethylhexyl) Phthalate	EPA 625	2	ug/L	Weck
4-Bromophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Butylbenzyl Phthalate	EPA 625	1	ug/L	Weck
Fluoranthene	EPA 625	1	ug/L	Weck
Fluorene	EPA 625	1	ug/L	Weck
Hexachlorobutadiene	EPA 625	1	ug/L	Weck
Hexachloroethane	EPA 625	1	ug/L	Weck
Indeno(1,2,3-cd) Pyrene	EPA 625	1	ug/L	Weck
Isophorone	EPA 625	1	ug/L	Weck
Naphthalene	EPA 625	1	ug/L	Weck
Nitrobenzene	EPA 625	1	ug/L	Weck
N-nitrosodi-N-propylamine	EPA 625	1	ug/L	Weck
N-Nitrosodiphenylamine	EPA 625	1	ug/L	Weck
Phenanthrene	EPA 625	1	ug/L	Weck
Pyrene	EPA 625	1	ug/L	Weck
2-Chloronaphthalene	EPA 625	1	ug/L	Weck
4-Chlorophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Chrysene	EPA 625	1	ug/L	Weck
Dibenzo(ah)anthracene	EPA 625	1	ug/L	Weck
3-3'-Dichlorobenzidine	EPA 625	1	ug/L	Weck
Diethyl Phthalate	EPA 625	1	ug/L	Weck
Dimethyl Phthalate	EPA 625	1	ug/L	Weck
Di-n-butyl Phthalate	EPA 625	1	ug/L	Weck
2,4-Dinitrotoluene	EPA 625	1	ug/L	Weck
2,6-Dinitrotoluene	EPA 625	1	ug/L	Weck
Di-n-octyl Phthalate	EPA 625	1	ug/L	Weck
1,2-Diphenylhydrazine (Azobenzene)	EPA 625	1	ug/L	Weck

Compound	Method	New RL	Units	
Bromate	EPA 300.1	5	ug/L	Weck
Chlorite	EPA 300.1	10	ug/L	Weck
DBCP	EPA 504.1	0.01	ug/L	Weck
EDB	EPA 504.1	0.02	ug/L	Weck
Endrin	EPA 508	0.01	ug/L	Weck
Heptachlor	EPA 508	0.01	ug/L	Weck
Heptachlor Epoxide	EPA 508	0.01	ug/L	Weck
Hexachlororbenzene	EPA 508	0.05	ug/L	Weck
Hexachlorocyclopentadiene	EPA 508	0.05	ug/L	Weck
Lindane	EPA 508	0.01	ug/L	Weck
Methoxychlor	EPA 508	0.01	ug/L	Weck
PCBs	EPA 508	0.5	ug/L	Weck
PCBs (1016,1221,1232,1242,1248,1254,1260)	EPA 508	0.5	ug/L	Weck
Toxaphene	EPA 508	0.5	ug/L	Weck
Aldrin	EPA 508	0.01	ug/L	Weck
a-BHC	EPA 508	0.01	ug/L	Weck
b-BHC	EPA 508	0.01	ug/L	Weck
g-BHC	EPA 508	0.01	ug/L	Weck
d-BHC	EPA 508	0.01	ug/L	Weck
4,4'-DDT	EPA 508	0.01	ug/L	Weck
4,4'-DDE	EPA 508	0.01	ug/L	Weck
4-4'-DDD	EPA 508	0.01	ug/L	Weck
Chlordane	EPA 508	0.1	ug/L	Weck
Dieldrin	EPA 508	0.01	ug/L	Weck
a-Endosulfan	EPA 508	0.01	ug/L	Weck
b-Endosulfan	EPA 508	0.01	ug/L	Weck
Endosulfan Sulfate	EPA 508	0.01	ug/L	Weck
Endrin Aldehyde	EPA 508	0.01	ug/L	Weck
Bentazon	EPA 515.3	2	ug/L	Weck
2,4-D	EPA 515.3	0.4	ug/L	Weck
Dalapon	EPA 515.3	0.4	ug/L	Weck
Dinoseb	EPA 515.3	0.4	ug/L	Weck
Picloram	EPA 515.3	0.6	ug/L	Weck
Pentachlorophenol	EPA 515.3	0.2	ug/L	Weck
2,4,5-TP (Silvex)	EPA 515.3	0.2	ug/L	Weck
Alachlor	EPA 525.2	0.1	ug/L	Weck
Atrazine	EPA 525.2	0.1	ug/L	Weck
Molinate	EPA 525.2	0.1	ug/L	Weck
Simazine	EPA 525.2	0.1	ug/L	Weck
Thiobencarb	EPA 525.2	0.1	ug/L	Weck
Benzo(a)pyrene	EPA 525.2	0.1	ug/L	Weck
Di(2-ethylhexyl)adipate	EPA 525.2	2	ug/L	Weck
Di(2-ethylhexyl)phthalate	EPA 525.2	2	ug/L	Weck
Carbofuran	EPA 531.1	2	ug/L	Weck
Oxamyl	EPA 531.1	2	ug/L	Weck
Glyphosate	EPA 547	5	ug/L	Weck
Endothall	EPA 548.1	40	ug/L	Weck
Diquat	EPA 549.2	2	ug/L	Weck
Monochloroacetic acid	EPA 552.2	2	ug/L	Weck
Dichloroacetic acid	EPA 552.2	1	ug/L	Weck

* 9H2404 for reference

Trichloroacetic acid	EPA 552.2	1	ug/L	Weck
Monobromoacetic acid	EPA 552.2	1	ug/L	Weck
Dibromoacetic acid	EPA 552.2	1	ug/L	Weck
2-Chlorophenol	EPA 625	1	ug/L	Weck
2,4-Dichlorophenol	EPA 625	1	ug/L	Weck
2,4-Dimethylphenol	EPA 625	1	ug/L	Weck
4,6-Dinitro-2-Methylphenol	EPA 625	1	ug/L	Weck
2,4-Dinitrophenol	EPA 625	5	ug/L	Weck
2-Nitrophenol	EPA 625	1	ug/L	Weck
4-Nitrophenol	EPA 625	2	ug/L	Weck
4-Chloro-3-Methylphenol	EPA 625	1	ug/L	Weck
Phenol	EPA 625	1	ug/L	Weck
2,4,6-Trichlorophenol	EPA 625	1	ug/L	Weck
Acenapthene	EPA 625	1	ug/L	Weck
Acenaphthylene	EPA 625	1	ug/L	Weck
Anthracene	EPA 625	1	ug/L	Weck
Benzidine	EPA 625	10	ug/L	Weck
Benzo(a)anthracene	EPA 625	1	ug/L	Weck
Benzo(b)fluoranthene	EPA 625	1	ug/L	Weck
Benzo(ghi)perylene	EPA 625	1	ug/L	Weck
Benzo(k)fluoranthene	EPA 625	1	ug/L	Weck
Bis(2-chloroethoxy) Methane	EPA 625	1	ug/L	Weck
Bis(2-chloroethyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-chloroisopropyl) Ether	EPA 625	1	ug/L	Weck
Bis(2-ethylhexyl) Phthalate	EPA 625	2	ug/L	Weck
4-Bromophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Butylbenzyl Phthalate	EPA 625	1	ug/L	Weck
Fluoranthene	EPA 625	1	ug/L	Weck
Fluorene	EPA 625	1	ug/L	Weck
Hexachlorobutadiene	EPA 625	1	ug/L	Weck
Hexachloroethane	EPA 625	1	ug/L	Weck
Indeno(1,2,3-cd) Pyrene	EPA 625	1	ug/L	Weck
Isophorone	EPA 625	1	ug/L	Weck
Naphthalene	EPA 625	1	ug/L	Weck
Nitrobenzene	EPA 625	1	ug/L	Weck
N-nitrosodi-N-propylamine	EPA 625	1	ug/L	Weck
N-Nitrosodiphenylamine	EPA 625	1	ug/L	Weck
Phenanthrene	EPA 625	1	ug/L	Weck
Pyrene	EPA 625	1	ug/L	Weck
2-Chloronaphthalene	EPA 625	1	ug/L	Weck
4-Chlorophenyl Phenyl Ether	EPA 625	1	ug/L	Weck
Chrysene	EPA 625	1	ug/L	Weck
Dibenzo(ah)anthracene	EPA 625	1	ug/L	Weck
3-3'-Dichlorobenzidine	EPA 625	1	ug/L	Weck
Diethyl Phthalate	EPA 625	1	ug/L	Weck
Dimethyl Phthalate	EPA 625	1	ug/L	Weck
Di-n-butyl Phthalate	EPA 625	1	ug/L	Weck
2,4-Dinitrotoluene	EPA 625	1	ug/L	Weck
2,6-Dinitrotoluene	EPA 625	1	ug/L	Weck
Di-n-octyl Phthalate	EPA 625	1	ug/L	Weck
1,2-Diphenylhydrazine (Azobenzene)	EPA 625	1	ug/L	Weck
17B-Estradiol	EPA 1694M-APCI	1	ng/L	
Caffeine	EPA 1694M-ESI+	1	ng/L	
Triclosan	EPA 1694M-ESI-	2	ng/L	
DEET	EPA 1694M-ESI+	1	ng/L	
Sucralose	EPA 1694M-ESI+	5	ng/L	
NDMA	EPA 1625M	2	ng/L	
Chromium (VI)	EPA 218.6	0.02	ug/L	Weck

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 10, 2019

Ms. Patty Mata
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

RE: Project: 418266
Pace Project No.: 30320346

Dear Ms. Mata:
Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 418266
Pace Project No.: 30320346

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 418266
Pace Project No.: 30320346

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30320346001	**418266-001**	Water	08/13/19 13:30	08/17/19 10:10
30320346002	**418266-002**	Water	08/13/19 08:30	08/17/19 10:10
30320346003	**418266-003**	Water	08/13/19 13:00	08/17/19 10:10
30320346004	**418266-004**	Water	08/13/19 11:45	08/17/19 10:10
30320346005	**418266-005**	Water	08/13/19 11:15	08/17/19 10:10

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: 418266
Pace Project No.: 30320346

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30320346001	**418266-001**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320346002	**418266-002**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320346003	**418266-003**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320346004	**418266-004**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1
30320346005	**418266-005**	EPA 900.0	CLA	2
		EPA 903.1	MK1	1
		EPA 904.0	VAL	1
		ASTM D5811-95	LAL	1
		EPA 906.0	CLA	1
		ASTM D5174-97	RMK	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

Sample: 418266-001 **Lab ID: 30320346001** Collected: 08/13/19 13:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**0.275 ± 0.943 (1.84) C:NA T:NA**	pCi/L	09/02/19 12:37	12587-46-1	
Gross Beta	EPA 900.0	**2.56 ± 1.09 (1.67) C:NA T:NA**	pCi/L	09/02/19 12:37	12587-47-2	
Radium-226	EPA 903.1	**-0.129 ± 0.439 (0.970) C:NA T:86%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**0.409 ± 0.412 (0.852) C:62% T:98%**	pCi/L	09/05/19 13:18	15262-20-1	
Strontium-90	ASTM D5811-95	**0.640 ± 1.04 (1.92) C:100% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**-87.4 ± 134 (244) C:NA T:NA**	pCi/L	09/04/19 08:18	10028-17-8	
Total Uranium	ASTM D5174-97	**0.261 ± 0.009 (0.262) C:NA T:NA**	ug/L	09/09/19 16:19	7440-61-1	

Sample: 418266-002 **Lab ID: 30320346002** Collected: 08/13/19 08:30 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5.0 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**52.3 ± 12.0 (5.18) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**14.8 ± 4.18 (4.30) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.691 ± 0.418 (0.458) C:NA T:97%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**2.04 ± 1.33 (2.53) C:26% T:80%**	pCi/L	09/05/19 13:22	15262-20-1	
Strontium-90	ASTM D5811-95	**0.304 ± 0.863 (1.62) C:103% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**-133 ± 132 (244) C:NA T:NA**	pCi/L	09/04/19 09:20	10028-17-8	
Total Uranium	ASTM D5174-97	**49.8 ± 1.472 (2.620) C:NA T:NA**	ug/L	09/09/19 16:36	7440-61-1	

Sample: 418266-003 **Lab ID: 30320346003** Collected: 08/13/19 13:00 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**8.82 ± 4.49 (6.75) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**4.73 ± 2.17 (3.28) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.849 ± 0.494 (0.526) C:NA T:89%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**1.49 ± 0.644 (1.06) C:66% T:73%**	pCi/L	09/05/19 13:22	15262-20-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

Sample: 418266-003 **Lab ID: 30320346003** Collected: 08/13/19 13:00 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Strontium-90	ASTM D5811-95	**-0.700 ± 1.09 (2.12) C:95% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**-57.5 ± 135 (244) C:NA T:NA**	pCi/L	09/04/19 10:21	10028-17-8	
Total Uranium	ASTM D5174-97	**3.14 ± 0.104 (0.262) C:NA T:NA**	ug/L	09/09/19 16:23	7440-61-1	

Sample: 418266-004 **Lab ID: 30320346004** Collected: 08/13/19 11:45 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**68.2 ± 21.4 (20.8) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**20.0 ± 10.8 (16.7) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.446 ± 0.374 (0.535) C:NA T:101%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**0.673 ± 0.484 (0.944) C:64% T:86%**	pCi/L	09/05/19 13:22	15262-20-1	
Strontium-90	ASTM D5811-95	**0.460 ± 1.93 (3.65) C:100% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**7.49 ± 139 (243) C:NA T:NA**	pCi/L	09/04/19 11:22	10028-17-8	
Total Uranium	ASTM D5174-97	**84.7 ± 2.498 (2.620) C:NA T:NA**	ug/L	09/09/19 16:38	7440-61-1	

Sample: 418266-005 **Lab ID: 30320346005** Collected: 08/13/19 11:15 Received: 08/17/19 10:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**3.21 ± 4.10 (7.43) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-46-1	
Gross Beta	EPA 900.0	**3.88 ± 2.63 (4.43) C:NA T:NA**	pCi/L	09/02/19 13:33	12587-47-2	
Radium-226	EPA 903.1	**0.750 ± 0.457 (0.538) C:NA T:93%**	pCi/L	09/06/19 11:22	13982-63-3	
Radium-228	EPA 904.0	**0.878 ± 0.536 (1.02) C:64% T:86%**	pCi/L	09/05/19 13:22	15262-20-1	
Strontium-90	ASTM D5811-95	**0.640 ± 1.27 (2.36) C:92% T:NA**	pCi/L	09/03/19 19:47	10098-97-2	N2
Tritium	EPA 906.0	**-32.4 ± 137 (243) C:NA T:NA**	pCi/L	09/04/19 12:24	10028-17-8	
Total Uranium	ASTM D5174-97	**6.39 ± 0.189 (0.262) C:NA T:NA**	ug/L	09/09/19 16:28	7440-61-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 357929 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1738193 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.188 ± 0.320 (0.565) C:NA T:83%	pCi/L	09/06/19 10:59	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 357932 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1738196 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.525 ± 0.424 (0.840) C:66% T:83%	pCi/L	09/05/19 13:18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 359135 Analysis Method: EPA 906.0
QC Batch Method: EPA 906.0 Analysis Description: 906.0 Tritium
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1743532 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-92.1 ± 133 (243) C:NA T:NA	pCi/L	09/04/19 07:16	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 358194 Analysis Method: ASTM D5174-97
QC Batch Method: ASTM D5174-97 Analysis Description: D5174.97 Total Uranium KPA
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1739387 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.018 ± 0.001 (0.262) C:NA T:NA	ug/L	09/03/19 15:52	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 358208 Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0 Analysis Description: 900.0 Gross Alpha/Beta
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1739413 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.267 ± 0.793 (1.92) C:NA T:NA	pCi/L	09/03/19 08:30	
Gross Beta	0.265 ± 0.820 (1.92) C:NA T:NA	pCi/L	09/03/19 08:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 418266
Pace Project No.: 30320346

QC Batch: 358820 Analysis Method: ASTM D5811-95
QC Batch Method: ASTM D5811-95 Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

METHOD BLANK: 1742231 Matrix: Water
Associated Lab Samples: 30320346001, 30320346002, 30320346003, 30320346004, 30320346005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	-0.184 ± 0.323 (0.878) C:106% T:NA	pCi/L	09/03/19 08:47	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 418266
Pace Project No.: 30320346

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

WO# : 30320346

30320346

MONTROSE

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Subcontract Laboratory:

Pace PA - Sub
1638 Roseytown Rd., Suite
Greensburg, PA 15601
724-850-5600
ATTN: Jacquelyn Collins
PO# 1038433

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	900.0 Gross Alpha and Beta	
Water	08/13/19 13:30	LAMW-5S (418266-001)	903.1 Radiuum-226	
Water	08/13/19 13:30	LAMW-5S (418266-001)	904.0 Radium-228	001
Water	08/13/19 13:30	LAMW-5S (418266-001)	905.0 Strontium-90	
Water	08/13/19 13:30	LAMW-5S (418266-001)	906.0 Tritium	
Water	08/13/19 13:30	LAMW-5S (418266-001)	908.0 Uranium	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	900.0 Gross Alpha and Beta	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	903.1 Radiuum-226	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	904.0 Radium-228	002
Water	08/13/19 08:30	SMBRP-9 (418266-002)	905.0 Strontium-90	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	906.0 Tritium	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	908.0 Uranium	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	900.0 Gross Alpha and Beta	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	903.1 Radiuum-226	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	904.0 Radium-228	003
Water	08/13/19 13:00	SMBRP-11 (418266-003)	905.0 Strontium-90	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	906.0 Tritium	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	908.0 Uranium	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	900.0 Gross Alpha and Beta	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	903.1 Radiuum-226	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	904.0 Radium-228	004
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	905.0 Strontium-90	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	906.0 Tritium	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	908.0 Uranium	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	900.0 Gross Alpha and Beta	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	903.1 Radiuum-226	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	904.0 Radium-228	005
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	905.0 Strontium-90	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	906.0 Tritium	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	908.0 Uranium	

Note:
Standard TAT

Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Relinquished By	Received By:
Date/Time 8/15/19 1540	Date/Time 8/17/19 10:10
Date/Time	Date/Time

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Project # _____ # 30320346

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label MG

Tracking #: 7760 0071-5500-4807-5400 LIMS Login MG

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used NA Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp — °C Correction Factor: — °C Final Temp: — °C

Temp should be above freezing to 6°C

pH paper Lot# 1083587 Date and Initials of person examining contents: MG 8/17/19

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓			10.
		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. See notes
All containers meet method preservation requirements.		✓		Initial when completed: MG Date/time of preservation: 12:00 8/17/19 Lot # of added preservative: DL19-0810
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: MG Date: 8/17/19

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: HCl vial 2 preserved bottles for each sample and 1 unpreserved jar

41826-001 - added HNO3 2.5ml to 4 sample bottles

41826-002 - added HNO3 2.5 ml to 4 sample bottles

41826-003 - added HNO3 2.5 ml to 4 sample bottles

41826-004 - added HNO3 2.5ml to 4 sample bottles

41826005 added HNO3 2.5ml to 4 sample bottles

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-4694-1
Client Project/Site: 418266

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/25/2019 6:36:25 PM

Xuan Dang, Project Manager I
(714)895-5494
xuandang@eurofinsus.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 7
QC Association Summary 8
Lab Chronicle 9
Certification Summary 11
Method Summary 12
Sample Summary 13
Chain of Custody 14
Receipt Checklists 15

Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 570-4694-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-4694-1

Comments
No additional comments.

Receipt
The samples were received on 8/14/2019 6:08 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

GC Semi VOA
Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12743 and 570-12743 and analytical batch 570-12804.LCS/LCSD perform to meet QC requirement

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12743 and 570-12743.LCS/LCSD perform to meet QC requirement

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Client Sample ID: LAMW-5S (418266-001) — Lab Sample ID: 570-4694-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	3.93		1.19	0.952	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	2.10		1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: SMBRP-9 (418266-002) — Lab Sample ID: 570-4694-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.29		1.19	0.952	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	7.61		5.00	2.92	mg/L	1		SM5210B	Total/NA

Client Sample ID: SMBRP-11 (418266-003) — Lab Sample ID: 570-4694-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.76		1.19	0.952	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	5.92		1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW04S (418266-004) — Lab Sample ID: 570-4694-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.89		1.11	0.889	mg/L	1		1664A	Total/NA

Client Sample ID: MCWP-MW04D (418266-005) — Lab Sample ID: 570-4694-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	2.98		1.19	0.952	mg/L	1		1664A	Total/NA

This Detection Summary does not include radiochemical test results.

General Chemistry

Client Sample ID: LAMW-5S (418266-001)
Date Collected: 08/13/19 13:30
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	3.93		1.19	0.952	mg/L		08/15/19 14:24	08/15/19 16:59	1
Biochemical Oxygen Demand	2.10		1.67	0.973	mg/L			08/14/19 19:24	1

Client Sample ID: SMBRP-9 (418266-002)
Date Collected: 08/13/19 08:30
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	4.29		1.19	0.952	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	7.61		5.00	2.92	mg/L			08/14/19 19:24	1

Client Sample ID: SMBRP-11 (418266-003)
Date Collected: 08/13/19 13:00
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	4.76		1.19	0.952	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	5.92		1.67	0.973	mg/L			08/14/19 19:24	1

Client Sample ID: MCWP-MW04S (418266-004)
Date Collected: 08/13/19 11:45
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	4.89		1.11	0.889	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/14/19 19:24	1

Client Sample ID: MCWP-MW04D (418266-005)
Date Collected: 08/13/19 11:15
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	2.98		1.19	0.952	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/14/19 19:24	1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-12743/1-A
Matrix: Water
Analysis Batch: 12804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.800	mg/L		08/15/19 14:24	08/15/19 16:59	1

Lab Sample ID: LCS 570-12743/2-A
Matrix: Water
Analysis Batch: 12804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	36.70		mg/L		92	78 - 114

Lab Sample ID: LCSD 570-12743/3-A
Matrix: Water
Analysis Batch: 12804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12743

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	37.30		mg/L		93	78 - 114	2	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-13541/2
Matrix: Water
Analysis Batch: 13541

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.7914	J	0.833	0.487	mg/L			08/14/19 18:00	1

Lab Sample ID: USB 570-13541/1
Matrix: Water
Analysis Batch: 13541

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		0.833	0.487	mg/L			08/14/19 18:00	1

Lab Sample ID: LCS 570-13541/3
Matrix: Water
Analysis Batch: 13541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	205.4		mg/L		104	84.6 - 115.4

Lab Sample ID: 570-4521-A-1 DU
Matrix: Water
Analysis Batch: 13541

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	2310		2269		mg/L		2	25

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

General Chemistry

Prep Batch: 12743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4694-1	LAMW-5S (418266-001)	Total/NA	Water	1664A	
570-4694-2	SMBRP-9 (418266-002)	Total/NA	Water	1664A	
570-4694-3	SMBRP-11 (418266-003)	Total/NA	Water	1664A	
570-4694-4	MCWP-MW04S (418266-004)	Total/NA	Water	1664A	
570-4694-5	MCWP-MW04D (418266-005)	Total/NA	Water	1664A	
MB 570-12743/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-12743/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-12743/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 12804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4694-1	LAMW-5S (418266-001)	Total/NA	Water	1664A	12743
570-4694-2	SMBRP-9 (418266-002)	Total/NA	Water	1664A	12743
570-4694-3	SMBRP-11 (418266-003)	Total/NA	Water	1664A	12743
570-4694-4	MCWP-MW04S (418266-004)	Total/NA	Water	1664A	12743
570-4694-5	MCWP-MW04D (418266-005)	Total/NA	Water	1664A	12743
MB 570-12743/1-A	Method Blank	Total/NA	Water	1664A	12743
LCS 570-12743/2-A	Lab Control Sample	Total/NA	Water	1664A	12743
LCSD 570-12743/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	12743

Analysis Batch: 13541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4694-1	LAMW-5S (418266-001)	Total/NA	Water	SM5210B	
570-4694-2	SMBRP-9 (418266-002)	Total/NA	Water	SM5210B	
570-4694-3	SMBRP-11 (418266-003)	Total/NA	Water	SM5210B	
570-4694-4	MCWP-MW04S (418266-004)	Total/NA	Water	SM5210B	
570-4694-5	MCWP-MW04D (418266-005)	Total/NA	Water	SM5210B	
SCB 570-13541/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-13541/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-13541/3	Lab Control Sample	Total/NA	Water	SM5210B	
570-4521-A-1 DU	Duplicate	Total/NA	Water	SM5210B	

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Client Sample ID: LAMW-5S (418266-001)

Lab Sample ID: 570-4694-1

Date Collected: 08/13/19 13:30

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:24	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Client Sample ID: SMBRP-9 (418266-002)

Lab Sample ID: 570-4694-2

Date Collected: 08/13/19 08:30

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	50 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Client Sample ID: SMBRP-11 (418266-003)

Lab Sample ID: 570-4694-3

Date Collected: 08/13/19 13:00

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Client Sample ID: MCWP-MW04S (418266-004)

Lab Sample ID: 570-4694-4

Date Collected: 08/13/19 11:45

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			900 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Client Sample ID: MCWP-MW04D (418266-005)

Date Collected: 08/13/19 11:15
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	ECL 1
SM5210B	BOD, 5 Day	SM	ECL 1
1664A	HEM and SGT-HEM (Aqueous)	1664A	ECL 1

Protocol References:

1664A = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-4694-1	LAMW-5S (418266-001)	Water	08/13/19 13:30	08/14/19 18:08	
570-4694-2	SMBRP-9 (418266-002)	Water	08/13/19 08:30	08/14/19 18:08	
570-4694-3	SMBRP-11 (418266-003)	Water	08/13/19 13:00	08/14/19 18:08	
570-4694-4	MCWP-MW04S (418266-004)	Water	08/13/19 11:45	08/14/19 18:08	
570-4694-5	MCWP-MW04D (418266-005)	Water	08/13/19 11:15	08/14/19 18:08	

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

570-4694 Chain of Custody

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1038373

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-55 (418266-001)	1664_Total_OUT	
Water	08/13/19 13:30	LAMW-55 (418266-001)	5210B BOD_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1664_Total_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	5210B BOD_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1664_Total_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	5210B BOD_OUT	
Water	08/13/19 11:45	MCWP-MW045 (418266-004)	1664_Total_OUT	
Water	08/13/19 11:45	MCWP-MW045 (418266-004)	5210B BOD_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1664_Total_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	5210B BOD_OUT	

Note:
Standard TAT

Relinquished By	**Received By:**
Date/Time 08/14/19 18:08	Date/Time
	8/14/19 18:08
Date/Time	Date/Time

3.0/3.5 SCG

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-4694-1

Login Number: 4694
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project # 418266
Samples Received: 08/16/2019

Analytical Report
0819-730

Method 1613B
2,3,7,8-TCDD Only

Enthalpy Analytical, LLC – Ultratrace

O: (910) 212-5858 / F: 910-212-5866
www.enthalpy.com
2714 Exchange Drive
Wilmington, NC 28405

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 22 pages.



QA Review Performed by: Bryan A. Vining

Report Issued Date: 29 AUG 19

ENTHALPY ANALYTICAL

Summary of Results

Summary of Results: I-TEF TEQ

Enthalpy Ultratrace Batch

10419

Method 1613B

Analyte	Method Blank pg/L	LAMW-5S (418266-001) pg/L	SMBRP-9 (418266-002) pg/L	SMBRP-11 (418266-003) pg/L	MCWP-MW04S (418266-004) pg/L	MCWP-MW04D (418266-005) pg/L
2,3,7,8-TCDD	(1.3)	(1.25)	(1.27)	(1.25)	(1.25)	(1.31)
ND = (DL) EMPC = [ ]						
Lab Sample ID	LMB_10419_DF	0819-730_10419_001	0819-730_10419_002	0819-730_10419_003	0819-730_10419_004	0819-730_10419_005

Detailed Results

LAMW-5S (418266-001)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	LAMW-5S (418266-001)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 13:30:0(**	**RRFs:**	**ICAL**

Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-2019**
Lab Sample ID:	**0819-730_10419_001**	**Weight/Volume:**	**1.04**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**8:23:37**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.25		U	ES 2,3,7,8-TCDD	36.5	
					CS 37Cl-2378-TCDD	72.9	
					AS 1368-TCDD	86.4	

SMBRP-9 (418266-002)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	SMBRP-9 (418266-002)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 8:30:00**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-730_10419_002**	**Weight/Volume:**	**1.02**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**9:11:56**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.27		U	ES 2,3,7,8-TCDD	39.0	
					CS 37Cl-2378-TCDD	74.7	
					AS 1368-TCDD	82.2	

SMBRP-11 (418266-003)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	SMBRP-11 (418266-003)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 13:00:0(**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-730_10419_003**	**Weight/Volume:**	**1.04**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**10:01:08**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.25		U	ES 2,3,7,8-TCDD	55.3	
					CS 37Cl-2378-TCDD	74.9	
					AS 1368-TCDD	81.9	

MCWP-MW04S (418266-004)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	MCWP-MW04S (418266-004)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 11:45:00**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-730_10419_004**	**Weight/Volume:**	**1.04**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**10:49:13**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.25		U	ES 2,3,7,8-TCDD	69.2	
					CS 37Cl-2378-TCDD	75.1	
					AS 1368-TCDD	85.4	

MCWP-MW04D (418266-005)						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW04D (418266-005)		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	418266		**Sample Collection Date:**	**8/13/2019 11:15:0(**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**		
Lab Sample ID:	**0819-730_10419_005**	**Weight/Volume:**	**0.99**	**Date Extracted:**	**19-Aug-19**		
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**		
Dilution:	**-**			**Time Analyzed:**	**11:37:34**		

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.31		U	ES 2,3,7,8-TCDD	84.6	
					CS 37Cl-2378-TCDD	76.8	
					AS 1368-TCDD	89.3	

QC Data

Continuing Calibration

	CS3-A
Concentration (pg/µL)	10
Standard ID	SIDAE90
Acquisition Date	22-Aug-19
Acquisition Time	20:01:20

Analyte	RRF	ICAL RRFs	PD (CS3-A v. ICAL)
2,3,7,8-TCDD	1.07	1.17	-8.5
ES 2,3,7,8-TCDF	0.99	1.04	-4.8
CS 37Cl-2378-TCDD	1.15	1.24	-7.3
AS 1368-TCDD	1.07	1.04	2.9

OPR				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_10419_DF	Final Vol. (uL)	20.0	Date Extracted:	19-Aug-19
QC Batch #:	10419	Split Factor:	1	Date Analyzed:	22-Aug-19
Dilution:	-			Time Analyzed:	20:58:31

Analyte	Conc. (pg)	DL (pg)	EMPC (pg)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	9.28				ES 2,3,7,8-TCDD	75.5	
					CS 37Cl-2378-TCDD	78.6	
					AS 1368-TCDD	86.0	

OPR Demonstration Data (TCDD Only)

Batch ID#: 10419

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	9.3	7.3	14.6	Y	ES 2,3,7,8-TCDD	76	25	141	Y
					CS 2,3,7,8-TCDD	8	3.7	15.8	Y

Method Blank				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	LMB_10419_DF	Weight/Volume:	1.00	Date Extracted:	19-Aug-19
QC Batch #:	10419	Split Factor:	1	Date Analyzed:	22-Aug-19
Dilution:	-			Time Analyzed:	22:34:53

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.445		U	ES 2,3,7,8-TCDD	74.8	
					CS 37Cl-2378-TCDD	74.1	
					AS 1368-TCDD	85.9	

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy Analytical - Orange
Job#	0819-730 EPA 1613B
Client Project #	418266

Custody	Robin Appelle of Enthalpy Analytical Wilmington received all samples (via FedEx) 08/16/19 on ice at 4.5°C in good condition. Prior to, during, and after analysis, the samples were stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, LLC.
Analysis	The samples were analyzed by EPA Method 1613B for PCDDs/PCDFs only using Agilent Technologies Model# 6890 High-Resolution GC/ Waters High-Resolution Mass-Spectrometer (HRGC/HRMS "Galadriel"). After sampling by the client, the laboratory spiked the sample with Extraction Standard (ES), then extracted by separatory funnel with Hexane. After solvent exchange, the extract was spiked with Alternate Standard (AS) and CS (Clean Up Standard). Cleanup procedures were performed on the extract. The final sample extract was transferred to an autosampler vial and spiked with 20 µL of Injection Standard (JS), prior to analysis.
Calibration	The analytes and labeled standards in the initial calibration exhibited RSDs less than 20%. The continuing calibration and batch control spike met the 20% criterion for native analytes, and met the 30% criterion for the labeled standards.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. The QC injections passed all method criteria. Labeled and standard recovery values were acceptable. The sample was extracted within the 30-day from collection holding time. The extract was analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.
Reporting Notes (continued)	The results presented in this report are representative of the samples as provided to the laboratory. The samples, calibrations and standards for the data presented in this report were analyzed at 2714 Exchange Drive, Wilmington, NC 28405.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc.-Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers / Data Attributes

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- C – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve).
- EMPC – Represents an estimated maximum possible concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
- J – Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
- L - Indicates that an analyte has a concentration below the Minimum Detection Limit (MDL).
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable.
- PR – Due to interference, the associated congener is poorly resolved.
- DI – Indicates the presence of a quantitative interference.
- SI – Denotes “Single Ion Mode” and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected. The Estimated Detection Limit (EDL) may be reported for this analyte.
- V – The labeled standard recovery was found to be outside of the method control limits.

DRBC/TMDL Specific Data Qualifiers / Data Attributes

- J – The reported result is an estimate. The value is less than the minimum calibration level but greater than the Estimated Detection Limit (EDL).
- U – The analyte was not detected in the sample at the Estimated Detection Limit (EDL).

- E – The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
- D – Dilution Data. Result was obtained from the analysis of a dilution.
- B – Analyte found in the sample and associated method blank.
- Cxx – Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'xx' denotes the IUPAC number with the lowest numerical designated congener.
- NR – Analyte is not reportable because of problems in sample preparation or analysis.
- V – Labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.
- EMPC – Estimated Maximum Possible Concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

Lab Identifiers

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.

Sample Custody

0819-730

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
Standard TAT

2,3,7,8-TCDD only

Relinquished By	**Received By:**
Date/Time 8/15/19 1650	Date/Time 8/16/19 1315 4.5°C T9
Date/Time	Date/Time

Folder, 7760 0071 9387, on Ice, No seals, Good condition
M 8/16/19

418266-04 08/15/19 13:06 RC

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Project Manager
Enthalpy Analytical

Fax #:

Email: incomingreports@enthalpy.com

From: Tyler D Miller
AmeriSci Job #: 919081535
Subject: Water (waste) 5 day Results
Client Project: 418266; (Report Amended 8/20/2019)

Date: Tuesday, August 20, 2019
Time: 11:29:42
Comments:

Number of Pages: 4 (including cover sheet)

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Job #: **919081535**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

418266; (Report Amended 8/20/2019)

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	LAMW-5S 418266-001	0.02	1	2	NSD	0.17	0.35	<0.17	amphibole
02	SMBRP-9 418266-002	0.0003	1	NSD	NSD	5.79	<5.79	<5.79	----
03	SMBRP-11 418266-003	0.02	1	NSD	NSD	0.17	<0.17	<0.17	----
04	MCWP-MW04S 418266-004	0.005	1	1	NSD	0.35	0.35	<0.35	chrysotile
05	MCWP-MW04D 418266-005	0.02	1	NSD	NSD	0.17	<0.17	<0.17	----

*fiber criteria (>=0.5 microns, 5:1 aspect ratio); NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter.

NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1), waste water by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Samples are refrigerated upon receipt when necessary and filtered within four hours.

Reviewed By: _____ ; Analyzed By: _____ Date: 8/15/2019

Tyler D Miller

9190815335

Subject: Updates Sample IDs
From: Ranjit Clarke <ranjit.clarke@enthalpy.com>
Date: 8/19/2019, 11:51 AM
To: Glenda Luzon <gluzon@amerisci.com>

Glenda,

Please see the attached COC. I have updated the sample IDs for samples -1 and -4. I have also included the PO# that should be used for invoicing this report.

Thanks,

Ranjit

Ranjit Clarke
Senior Project Manager
ENTHALPY ANALYTICAL
931 W. Barkley Ave., Orange, CA 92868
O: 714.771.6900 X 9906 | M: 657-274-9864 | F: 714-538-1209
Ranjit.Clarke@enthalpy.com

To help protect the air we breathe, the water we drink, and the soil that feeds us.

Please take a moment to provide customer feedback
Terms and Conditions & Enthalpy Sample Acceptance Policy

https://enthalpy.com/news-events/

CONFIDENTIALITY NOTICE: The contents of this email message and any attachments are intended solely for the addressee(s) and may contain confidential, proprietary and/or privileged information and may be legally protected from disclosure. If you are not the intended recipient of this message or their agent, or if this message has been addressed to you in error, please immediately alert the sender by reply email and then delete this message and any attachments and the reply from your system. If you are not the intended recipient, you are hereby notified that any disclosure, use, dissemination, copying, or storage of this message or its attachments is strictly prohibited.

Attachments:

418266-02.pdf 104 KB

Rec'd by DY
8/20/19 10:45

9190815 35

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

AmeriSci - Sub
24416 S Main St. # 308
Carson, CA 90745

ATTN: Glenn Massey
PO# 1038436

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☐ EDD ☐ EDF ☐ EDT
Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	100.1 Asbestos	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	100.1 Asbestos	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	100.1 Asbestos	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	100.1 Asbestos	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	100.1 Asbestos	

Note:
5 day TAT

Relinquished By	Received By:
Date/Time	Date/Time
Date/Time	Date/Time

Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu-Quarterly
PO# 15-01587

Lab Request: 421053
Report Date: 11/14/2019
Date Received: 11/06/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
421053-001	SMBRP-12
421053-002	MCWP-MW07S
421053-003	MCWP-MW07D
421053-004	MCWP-MW09

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2019 12:00	**Site:**			
Sample #:	**421053-001**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**34.6**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**40.0**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.756**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208657
Chloride	**406**	5	0.43	5	mg/L	11/06/19	11/07/19 17:19	JP	
Fluoride	**0.48**	1	0.093	0.2	mg/L	11/06/19	11/07/19 06:47	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 06:47	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/19	11/07/19 06:47	JP	
Sulfate	**399**	5	0.385	5	mg/L	11/06/19	11/07/19 17:19	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**40**	5	0.26	2	mg/L	11/13/19	11/14/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208523
Color	ND	1	5	5	Color Unit		11/06/19 18:00	TP	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208522
Turbidity	**38**	1	0.074	0.1	NTU		11/06/19 18:00	TP	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208524
Odor Threshold	ND	1	1	1	T.O.N		11/06/19 18:00	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208588
Total Dissolved Solids	**1510**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208603
Total Suspended Solids	**107**	2.5	1.25	1.25	mg/L	11/07/19	11/07/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208541
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/19 15:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208614
pH	**7.15**	1			SU	11/06/19 00:00	11/06/19 18:20	WW	T2
Temp. at Time of pH Measurement	**11.5**	1			°C	11/06/19 00:00	11/06/19 18:20	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208712
Ammonia, as Nitrogen	**5.35**	5	0.05	0.5	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208706
Total Phosphorous as P	**1.215**	15	0.15	0.3	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**3.72**	15	0.45	0.9	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208495
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 18:20	EC	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**18.6**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**0.17**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**290**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2019 10:30	**Site:**			
Sample #:	**421053-002**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**5.18**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1208547
Total Oil and Grease	**2.0 J**	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1208504
Boron	**0.333**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208657
Chloride	**208**	5	0.43	5	mg/L	11/06/19	11/07/19 17:38	JP	
Fluoride	**0.46**	1	0.093	0.2	mg/L	11/06/19	11/07/19 07:06	JP	
Nitrate, as Nitrogen	**5.03**	1	0.012	0.1	mg/L	11/06/19	11/07/19 07:06	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/19	11/07/19 07:06	JP	
Sulfate	**278**	5	0.385	5	mg/L	11/06/19	11/07/19 17:38	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.155 J**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	J
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1208523
Color	ND	1	5	5	Color Unit		11/06/19 18:00	TP	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1208522
Turbidity	**60**	1	0.074	0.1	NTU		11/06/19 18:00	TP	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1208524
Odor Threshold	ND	1	1	1	T.O.N		11/06/19 18:00	TP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1208588
Total Dissolved Solids	**1040**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1208603
Total Suspended Solids	**134**	4	2	2	mg/L	11/07/19	11/07/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1208541
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/19 15:30	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1208614
pH	**7.31**	1			SU	11/06/19 00:00	11/06/19 18:21	WW	T2
Temp. at Time of pH Measurement	**15.6**	1			°C	11/06/19 00:00	11/06/19 18:21	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208712
Ammonia, as Nitrogen	**0.149**	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.146**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.448**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1208495
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 18:21	EC	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**2.55**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1208557
MBAS	**0.27**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**2000**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2019 10:00	**Site:**			
Sample #:	**421053-003**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**2.06**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.73**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID: QC1208547		
Total Oil and Grease	**2.0 J**	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID: QC1208504		
Boron	**0.109**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1208657		
Chloride	**79.8**	1	0.086	1	mg/L	11/06/19	11/07/19 08:02	JP	
Fluoride	**0.28**	1	0.093	0.2	mg/L	11/06/19	11/07/19 08:02	JP	
Nitrate, as Nitrogen	**0.43**	1	0.012	0.1	mg/L	11/06/19	11/07/19 08:02	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/19	11/07/19 08:02	JP	
Sulfate	**120**	5	0.385	5	mg/L	11/06/19	11/07/19 17:57	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID: QC1208789		
Total Kjeldahl Nitrogen	**2.3**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID: QC1208523		
Color	ND	1	5	5	Color Unit		11/06/19 18:00	TP	
Method: SM 2130-B Prep Method: Method							QCBatchID: QC1208522		
Turbidity	**24**	1	0.074	0.1	NTU		11/06/19 18:00	TP	
Method: SM 2150-B Prep Method: Method							QCBatchID: QC1208524		
Odor Threshold	ND	1	1	1	T.O.N		11/06/19 18:00	TP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1208588		
Total Dissolved Solids	**308**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID: QC1208603		
Total Suspended Solids	**37.4**	2	1	1	mg/L	11/07/19	11/07/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1208541		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/19 15:30	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1208614		
pH	**6.90**	1			SU	11/06/19 00:00	11/06/19 18:22	WW	T2
Temp. at Time of pH Measurement	**15.4**	1			°C	11/06/19 00:00	11/06/19 18:22	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1208712		
Ammonia, as Nitrogen	**0.242**	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1208706		
Total Phosphorous as P	**0.284**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.871**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID: QC1208495		
BOD	**6**	1	3	3	mg/L	11/06/19	11/06/19 18:22	EC	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID: QC1208488		
Total Organic Carbon (TOC)	**18.9**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1208557		
MBAS	**7.3**	25	0.675	1	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1208491		
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**1300**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2019 12:45	**Site:**			
Sample #:	**421053-004**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.85**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.08**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	**5.3 J**	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.626**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208657
Chloride	**463**	10	0.86	10	mg/L	11/06/19	11/07/19 18:16	JP	
Fluoride	**0.52**	1	0.093	0.2	mg/L	11/06/19	11/07/19 08:21	JP	
Nitrate, as Nitrogen	**0.18**	1	0.012	0.1	mg/L	11/06/19	11/07/19 08:21	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/19	11/07/19 08:21	JP	
Sulfate	**498**	10	0.77	10	mg/L	11/06/19	11/07/19 18:16	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**1.9**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208523
Color	ND	1	5	5	Color Unit		11/06/19 18:00	TP	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208522
Turbidity	**16**	1	0.074	0.1	NTU		11/06/19 18:00	TP	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208524
Odor Threshold	ND	1	1	1	T.O.N		11/06/19 18:00	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208588
Total Dissolved Solids	**1710**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208603
Total Suspended Solids	**32.2**	2	1	1	mg/L	11/07/19	11/07/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208541
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/19 15:30	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208614
pH	**7.39**	1			SU	11/06/19 00:00	11/06/19 18:25	WW	T2
Temp. at Time of pH Measurement	**14.6**	1			°C	11/06/19 00:00	11/06/19 18:25	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208712
Ammonia, as Nitrogen	**1.05**	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208706
Total Phosphorous as P	**0.287**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.880**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208495
BOD	**7**	1	3	3	mg/L	11/06/19	11/06/19 18:25	EC	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**19.4**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**10**	12.5	0.3375	0.5	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**180**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

QCBatchID: QC1208488 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208488MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208488LCS1											
Total Organic Carbon (TOC)	10		9.44		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208488MS1, QC1208488MSD1												**Source: 420789-002**
Total Organic Carbon (TOC)	14.0	20	20	33.2	34.2	mg/L	96	101	3.0	80-120	20	

QCBatchID:	**QC1208495**	**Analyst:**	npham	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208495MB1					
BOD	ND	mg/L	3	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208495LCS1											
BOD	198		177		mg/L	89			84.6-115.4		

QCBatchID: QC1208504 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208504MB1					
Aluminum	ND	mg/L	0.033	0.05	
Arsenic	ND	mg/L	0.009	0.01	
Barium	ND	mg/L	0.002	0.01	
Boron	ND	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.002	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.008	0.01	
Lead	ND	mg/L	0.007	0.01	
Manganese	ND	mg/L	0.006	0.01	
Nickel	ND	mg/L	0.004	0.01	
Potassium	ND	mg/L	0.167	0.5	
Silver	ND	mg/L	0.005	0.005	
Sodium	ND	mg/L	0.119	0.5	
Zinc	ND	mg/L	0.017	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504LCS1											
Aluminum	2		2.03		mg/L	102			85-115		
Arsenic	2		1.81		mg/L	91			85-115		
Barium	2		1.91		mg/L	96			85-115		
Boron	2		1.84		mg/L	92			85-115		
Cadmium	2		1.86		mg/L	93			85-115		
Chromium	2		1.89		mg/L	95			85-115		
Copper	2		1.80		mg/L	90			85-115		
Lead	2		1.78		mg/L	89			85-115		
Manganese	2		2.03		mg/L	102			85-115		
Nickel	2		1.85		mg/L	93			85-115		
Potassium	38		35.9		mg/L	94			85-115		
Silver	1		0.916		mg/L	92			85-115		
Sodium	20		19.6		mg/L	98			85-115		
Zinc	2		1.99		mg/L	100			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504MS1												**Source: 420955-001**
Aluminum	1.62	1		2.64		mg/L	102			75-125		
Arsenic	ND	1		1.11		mg/L	111			75-125		
Barium	0.026	1		0.970		mg/L	94			75-125		
Boron	7.10	1		8.46		mg/L	136			75-125		NC
Cadmium	0.158	1		1.11		mg/L	95			75-125		
Chromium	ND	1		0.908		mg/L	91			75-125		
Copper	ND	1		0.898		mg/L	90			75-125		
Lead	ND	1		0.979		mg/L	98			75-125		
Manganese	ND	1		0.970		mg/L	97			75-125		
Nickel	0.688	1		1.66		mg/L	97			75-125		
Potassium	3870	29		4220		mg/L	1207			75-125		NC
Silver	ND	1		0.955		mg/L	96			75-125		
Sodium	7760	20		7870		mg/L	550			75-125		NC
Zinc	0.431	1		1.52		mg/L	109			75-125		

QCBatchID: QC1208504 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504MS2												**Source: 421053-002**
Aluminum	2.70	1		3.55		mg/L	85			75-125		
Arsenic	ND	1		0.948		mg/L	95			75-125		
Barium	0.069	1		0.953		mg/L	88			75-125		
Boron	0.333	1		1.22		mg/L	89			75-125		
Cadmium	ND	1		0.830		mg/L	83			75-125		
Chromium	0.010	1		0.880		mg/L	87			75-125		
Copper	ND	1		0.863		mg/L	86			75-125		
Lead	ND	1		0.834		mg/L	83			75-125		
Manganese	0.505	1		1.48		mg/L	98			75-125		
Nickel	0.009	1		0.842		mg/L	83			75-125		
Potassium	5.66	29		31.7		mg/L	90			75-125		
Silver	ND	1		0.864		mg/L	86			75-125		
Sodium	213	20		208		mg/L	0			75-125		NC
Zinc	0.023	1		0.895		mg/L	87			75-125		

QCBatchID:	**QC1208522**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208522DUP1						**Source: 421043-001**
Turbidity	0.12	0.12	NTU	0.0	20	

QCBatchID:	**QC1208523**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208523DUP1						**Source: 421043-004**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1208524**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208524DUP1						**Source: 421043-004**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1208541 **Analyst:** npham **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208541MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208541LCS1											
Chlorine, Total Residual	1		1.09		mg/L	109			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208541DUP1						**Source: 421106-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID: QC1208547	**Analyst:** Echavez		**Method:** EPA 1664A		
Matrix: Water	**Analyzed:** 11/07/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208547MB1					
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1208547LCS1, QC1208547LCSD1											
Total Oil and Grease	40	40	35.7	37.0	mg/L	89	93	4	78-114	18	

QCBatchID: QC1208557 **Analyst:** npham **Method:** SM 5540-C

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208557MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208557LCS1											
MBAS	1		1.1		mg/L	110			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208557MS1, QC1208557MSD1												**Source: 421057-001**
MBAS	ND	1	1	1.0	1.0	mg/L	100	100	0.0	75-125	20	

QCBatchID: QC1208588 **Analyst:** npham **Method:** SM 2540-C

Matrix: Water **Analyzed:** 11/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208588MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208588LCS1											
Total Dissolved Solids	95		96.0		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208588DUP1						**Source: 421053-001**
Total Dissolved Solids	1510	1510	mg/L	0.0	5	

QCBatchID:	**QC1208603**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	11/07/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208603MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208603DUP1						**Source: 421053-001**
Total Suspended Solids	107	106	mg/L	0.9	5	

QCBatchID:	**QC1208614**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208614DUP1						**Source: 421053-001**
pH	7.15	7.16	SU	0.1	20	
Temp. at Time of pH Measurement	11.5	11.5	°C	0.0	20	

QCBatchID: QC1208657 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208657MB1					
Chloride	ND	mg/L	0.086	1	
Fluoride	ND	mg/L	0.093	0.2	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrite, as NO2	ND	mg/L	0.06	0.33	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208657LCS1											
Chloride	100		107		mg/L	107			90-110		
Fluoride	20		20.9		mg/L	105			90-110		
Nitrate, as Nitrogen	9.03		9.48		mg/L	105			90-110		
Nitrate, as NO3	40		42.0		mg/L	105			90-110		
Nitrite, as Nitrogen	9.15		9.45		mg/L	103			90-110		
Nitrite, as NO2	30		31.0		mg/L	103			90-110		
Sulfate	50		51.8		mg/L	104			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208657MS1, QC1208657MSD1												**Source: 421044-003**
Chloride	153	100	100	226	227	mg/L	73	74	0.4	80-120	20	M
Fluoride	0.254	20	20	20.1	21.0	mg/L	99	104	4.4	80-120	20	
Nitrate, as Nitrogen	5.20	9.03	9.03	14.2	14.6	mg/L	100	104	2.8	80-120	20	
Nitrate, as NO3	23.0	40	40	63.1	64.6	mg/L	100	104	2.3	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	7.83	8.10	mg/L	86	89	3.4	80-120	20	
Nitrite, as NO2	ND	30	30	25.7	26.6	mg/L	86	89	3.4	80-120	20	
Sulfate	8.02	50	50	57.2	58.8	mg/L	98	102	2.8	80-120	20	
QC1208657MS2, QC1208657MSD2												**Source: 421044-007**
Chloride	98.6	100	100	193	194	mg/L	94	95	0.5	80-120	20	
Fluoride	0.289	20	20	22.8	23.1	mg/L	113	114	1.3	80-120	20	
Nitrate, as Nitrogen	5.26	9.03	9.03	15.2	15.3	mg/L	110	111	0.7	80-120	20	
Nitrate, as NO3	23.3	40	40	67.2	67.6	mg/L	110	111	0.6	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.55	9.62	mg/L	104	105	0.7	80-120	20	
Nitrite, as NO2	ND	30	30	31.3	31.6	mg/L	104	105	1.0	80-120	20	
Sulfate	1.78	50	50	57.8	58.6	mg/L	112	114	1.4	80-120	20	

QCBatchID: QC1208706 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208706MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208706LCS1											
Total Phosphorous as P	0.4		0.387		mg/L	97			80-120		
Total Phosphorous as PO4	1.3		1.19		mg/L	92			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208706MS1, QC1208706MSD1												**Source: 421014-001**
Total Phosphorous as P	0.0580	0.4	0.4	0.451	0.451	mg/L	98	98	0.0	75-125	20	
Total Phosphorous as PO4	0.178	1.3	1.3	1.38	1.38	mg/L	92	92	0.0	75-125	20	

QCBatchID: QC1208712 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208712MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208712LCS1											
Ammonia, as Nitrogen	2.5		2.45		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208712MS1, QC1208712MSD1												**Source: 421170-001**
Ammonia, as Nitrogen	0.030	5	5	4.76	4.76	mg/L	95	95	11.7	80-120	20	

QCBatchID: QC1208789 **Analyst:** jbankhardts **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208789MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789MS1, QC1208789MSD1												**Source: 421045-004**
Total Kjeldahl Nitrogen	ND	12.5	12.5	13	12	mg/L	104	96	8.0	80-120	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only
931 W. Barkley Ave., Orange, CA 92868	Lab No: 42/053	Standard: X
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day:
Billing: Enthalpy - SoCal		3 Day:
c/o Montrose Environmental Group		Same Day:
1 Park Plaza, Suite 1000, Irvine, CA 92614		

Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly
Report To:	Kiernan Brtalik	Number:	
Email:	kbrtalik@rinconconsultants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Michelle Carter

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,Fl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	MC
~~SMBRP-9~~						X	X	X	X	X	X	X	MC
~~SMBRP-11~~						X	X	X	X	X	X	X	MC
SMBRP-12	11/6/19	1200	W			X	X	X	X	X	X	X	
~~MCWP-MW04S~~						X	X	X	X	X	X	X	MC
~~MCWP-MW04D~~						X	X	X	X	X	X	X	MC
MCWP-MW07S	11/6/19	1030	W			X	X	X	X	X	X	X	
MCWP-MW07D	11/6/19	1000	W			X	X	X	X	X	X	X	
MCWP-MW09	11/6/19	1245	W			X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS, INC.	11/6/19 1346
[1] Received By:		Henri Gutierrez	EA	11/6/19 / 13:46
[2] Relinquished By:		Henri Gutierrez	EA	11/6/19 / 17:20
[2] Received By:		Elizabeth Ramirez	EA	11/6/19 17:20
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu -Quarterly

Date Received: 11/6/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.7 #2: 12.4 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: 0.5 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/6/19.

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu-Quarterly
PO# 15-01587

Lab Request: 421045
Report Date: 11/14/2019
Date Received: 11/06/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
421045-001	N-001
421045-002	N-002
421045-003	N-003
421045-004	N-004
421045-005	L-001
421045-006	L-002
421045-007	L-003
421045-008	L-004
421045-009	L-005
421045-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 12:22 **Site:**
Sample #: **421045-001** **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.06 J**	1	0.04	0.5	mg/L		11/14/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.056 J**	1	0.03	0.5	mg/L		11/14/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 02:59	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/19	11/07/19 21:06	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**0.056 J**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.039**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.120**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**2000**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 12:35 **Site:**
Sample #: **421045-002** **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.12 J**	1	0.04	0.5	mg/L		11/14/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.124 J**	1	0.03	0.5	mg/L		11/14/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 03:18	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/19	11/07/19 21:25	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**0.124 J**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	J
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.024**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.074**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**2000**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 11:47 **Site:**
Sample #: **421045-003** **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 04:15	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/19	11/07/19 21:44	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208792
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.068**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.208**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**32**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 13:15 **Site:**
Sample #: **421045-004** **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 04:34	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/19	11/07/19 22:03	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.022**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.068**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**2000**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 09:55 **Site:**
Sample #: **421045-005** **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.58**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.582**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 04:53	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 22:22	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.582**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.132**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.405**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**100**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 10:35 **Site:**
Sample #: **421045-006** **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.50**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.628**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	**0.13**	1	0.012	0.1	mg/L	11/06/19	11/07/19 05:12	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 22:41	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.498**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.121**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.371**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**230**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 10:13 **Site:**
Sample #: 421045-007 **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.69**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.692**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 05:31	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 23:00	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.692**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.108**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.331**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**520**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 10:57 **Site:**
Sample #: 421045-008 **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.22**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.22**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 05:50	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 23:19	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.135**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.414**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**360**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 11:35 **Site:**
Sample #: **421045-009** **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.75**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.748**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 06:09	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 23:38	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**0.748**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.095**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.291**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**<1**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2019 11:10 **Site:**
Sample #: **421045-010** **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.20**	1	0.03	0.5	mg/L		11/14/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208656
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	11/06/19	11/07/19 06:28	JP	
Nitrite, as Nitrogen	ND	10	0.18	1	mg/L	11/06/19	11/07/19 23:57	JP	D2
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208711
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208706
Total Phosphorous as P	**0.215**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.659**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208491
Fecal Coliform	**650**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	
Total Coliform	**>2400**	1			MPN/100ml	11/06/19 17:38	11/07/19	LL	

QCBatchID: QC1208561 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208561MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208561LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208561MS1, QC1208561MSD1												**Source: 420909-001**
Total Kjeldahl Nitrogen	1.3	12.5	12.5	13	14	mg/L	94	102	7.4	80-120	20	

QCBatchID: QC1208656 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208656MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208656LCS1											
Chloride	100		106		mg/L	106			90-110		
Nitrate, as Nitrogen	9.03		9.42		mg/L	104			90-110		
Nitrate, as NO3	40		41.7		mg/L	104			90-110		
Nitrite, as Nitrogen	9.15		9.26		mg/L	101			90-110		
Sulfate	50		51.8		mg/L	104			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208656MS1, QC1208656MSD1												**Source: 421032-003**
Chloride	153	100	100	225	228	mg/L	72	75	1.3	80-120	20	M
Nitrate, as Nitrogen	5.55	9.03	9.03	14.6	14.9	mg/L	100	104	2.0	80-120	20	
Nitrate, as NO3	24.6	40	40	64.5	66.0	mg/L	100	104	2.3	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	7.83	8.17	mg/L	86	89	4.3	80-120	20	
Sulfate	9.67	50	50	58.9	60.3	mg/L	98	101	2.3	80-120	20	
QC1208656MS2, QC1208656MSD2												**Source: 421038-003**
Chloride	81.8	100	100	170	171	mg/L	88	89	0.6	80-120	20	
Nitrate, as Nitrogen	22.9	90.3	90.3	120	119	mg/L	108	106	0.8	80-120	20	
Nitrate, as NO3	101	400	400	531	526	mg/L	108	106	0.9	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.53	8.68	mg/L	93	95	1.7	80-120	20	
Sulfate	94.7	50	50	138	139	mg/L	87	89	0.7	80-120	20	

QCBatchID: QC1208706 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208706MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208706LCS1											
Total Phosphorous as P	0.4		0.387		mg/L	97			80-120		
Total Phosphorous as PO4	1.3		1.19		mg/L	92			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208706MS1, QC1208706MSD1												**Source: 421014-001**
Total Phosphorous as P	0.0580	0.4	0.4	0.451	0.451	mg/L	98	98	0.0	75-125	20	
Total Phosphorous as PO4	0.178	1.3	1.3	1.38	1.38	mg/L	92	92	0.0	75-125	20	

QCBatchID: QC1208711 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208711MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208711LCS1											
Ammonia, as Nitrogen	2.5		2.45		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208711MS1, QC1208711MSD1												**Source: 421045-010**
Ammonia, as Nitrogen	ND	5	5	3.21	3.17	mg/L	64	63	1.3	80-120	20	M

QCBatchID: QC1208789 **Analyst:** jbankhardts **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208789MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789MS1, QC1208789MSD1												**Source: 421045-004**
Total Kjeldahl Nitrogen	ND	12.5	12.5	13	12	mg/L	104	96	8.0	80-120	20	

QCBatchID: QC1208792 **Analyst:** jbankhardts **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208792MB1					
Total Kjeldahl Nitrogen	**0.055 J**	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208792LCS1, QC1208792LCSD1											
Total Kjeldahl Nitrogen	2.5	2.5	2.7	2.8	mg/L	108	112	0	80-120	20	

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208792MS1, QC1208792MSD1												**Source: 421067-032**
Total Kjeldahl Nitrogen	1.1	12.5	12.5	14	14	mg/L	103	103	0.0	80-120	20	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208792DUP1						**Source: 421067-032**
Total Kjeldahl Nitrogen	1.1	1.1	mg/L	0.0	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 421 045				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	1	of	1	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3					
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid				4 = H_2SO_4 5 = NaOH 6 = Other					
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water									
		SW = Swab W = Water WP = Wipe O = Other									

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	James Grunden

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus; Total Nitrogen (calculation)							Test Instructions / Comments
N-001	11/6/19	1222	water	4		X	X	X	X							
N-002	11/6/19	1235				X	X	X	X							
N-003	11/6/19	1147				X	X	X	X							
N-004	11/6/19	1315				X	X	X	X							
L-001	11/6/19	0955				X	X	X	X							
L-002	11/6/19	1035				X	X	X	X							
L-003	11/6/19	1013				X	X	X	X							
L-004	11/6/19	1057				X	X	X	X							
L-005	11/6/19	1135				X	X	X	X							
L-006	11/6/19	1110	↓	↓		X	X	X	X							

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		JAMES GRUNDEN	Rincon Consultants	11/6/19 1345
[1] Received By:		Henri Gutierrez	EA	11/6/19 1345
[2] Relinquished By:		Henri Gutierrez	EA	11/6/19 17:20
[2] Received By:		Elizabeth Ramirez	EA	11/6/19 17:20
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu -Annual

Date Received: 11/6/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/6/19.

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu-Quarterly
PO# 15-01587

Lab Request: 421139
Report Date: 11/14/2019
Date Received: 11/07/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
421139-001	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/07/2019 12:45	**Site:**			
Sample #:	**421139-001**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4023 Prep Method: None							QCBatchID:		
Total Inorganic Nitrogen	**1.61**	1	0.04	0.1	mg/L		11/14/19	SLL	
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/14/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1208707
Total Oil and Grease	**2.3 J**	1.11	1.554	5.55	mg/L	11/12/19	11/12/19	EC	J
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1208576
Boron	**0.827**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208658
Chloride	**258**	10	0.86	10	mg/L	11/07/19	11/11/19 05:54	JP	
Nitrate, as Nitrogen	**1.61**	1	0.012	0.1	mg/L	11/07/19	11/08/19 03:06	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/07/19	11/08/19 03:06	JP	
Sulfate	**515**	10	0.77	10	mg/L	11/07/19	11/11/19 05:54	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208789
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/13/19	11/14/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1208594
Color	ND	1	5	5	Color Unit		11/08/19 14:00	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1208592
Turbidity	**0.67**	1	0.074	0.1	NTU		11/08/19 14:00	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1208595
Odor Threshold	ND	1	1	1	T.O.N		11/08/19 14:00	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1208589
Total Dissolved Solids	**1490**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1208679
Total Suspended Solids	ND	1.11	0.555	0.555	mg/L	11/11/19	11/11/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1208591
Chlorine, Total Residual	**0.05 J**	1	0.016	0.1	mg/L		11/08/19 14:44	WW	J,T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1208581
pH	**7.02**	1			SU	11/08/19 00:00	11/08/19 09:01	WW	T2
Temp. at Time of pH Measurement	**10.6**	1			°C	11/08/19 00:00	11/08/19 09:01	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208712
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/12/19	11/13/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208705
Total Phosphorous as P	**0.071**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.218**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1208579
BOD	ND	1	3	3	mg/L	11/08/19	11/08/19 09:01	WW	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1208825
Total Organic Carbon (TOC)	**8.48**	1	0.091	1	mg/L	11/14/19	11/14/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1208605
MBAS	ND	1	0.027	0.04	mg/L	11/08/19 11:00	11/08/19 18:07	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208568
Fecal Coliform	**<1**	1			MPN/100ml	11/07/19 19:11	11/08/19	LH	
Total Coliform	**<1**	1			MPN/100ml	11/07/19 19:11	11/08/19	LH	

QCBatchID: QC1208576 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208576MB1					
Boron	ND	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.002	0.005	
Calcium	ND	mg/L	0.093	0.1	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.008	0.01	
Iron	ND	mg/L	0.019	0.02	
Lead	**0.009 J**	mg/L	0.007	0.01	
Magnesium	ND	mg/L	0.046	0.1	
Nickel	ND	mg/L	0.004	0.01	
Silver	ND	mg/L	0.005	0.005	
Sodium	ND	mg/L	0.119	0.5	
Zinc	ND	mg/L	0.017	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208576LCS1											
Boron	2		1.82		mg/L	91			85-115		
Cadmium	2		1.90		mg/L	95			85-115		
Calcium	20		19.8		mg/L	99			85-115		
Chromium	2		1.78		mg/L	89			85-115		
Copper	2		1.74		mg/L	87			85-115		
Iron	2		1.83		mg/L	92			85-115		
Lead	2		1.92		mg/L	96			85-115		
Magnesium	20		19.5		mg/L	98			85-115		
Nickel	2		1.74		mg/L	87			85-115		
Silver	2		1.76		mg/L	88			85-115		
Sodium	20		21.3		mg/L	107			85-115		
Zinc	2		1.72		mg/L	86			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208576MS1												**Source: 421139-001**
Boron	0.827	1		1.89		mg/L	106			75-125		
Cadmium	ND	1		0.839		mg/L	84			75-125		
Calcium	160	20		191		mg/L	155			75-125		NC
Chromium	ND	1		0.932		mg/L	93			75-125		
Copper	ND	1		0.940		mg/L	94			75-125		
Iron	0.051	1		1.05		mg/L	100			75-125		
Lead	ND	1		0.847		mg/L	85			75-125		
Magnesium	107	20		140		mg/L	165			75-125		NC
Nickel	ND	1		0.859		mg/L	86			75-125		
Silver	ND	1		0.829		mg/L	83			75-125		
Sodium	206	20		235		mg/L	145			75-125		NC
Zinc	ND	1		0.897		mg/L	90			75-125		

QCBatchID:	QC1208579	**Analyst:**	npham	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208579MB1					
BOD	ND	mg/L	3	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208579LCS1											
BOD	198		203		mg/L	103			84.6-115.4		

QCBatchID:	QC1208581	**Analyst:**	npham	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208581DUP1						**Source: 421139-001**
pH	7.02	7.00	SU	0.3	20	
Temp. at Time of pH Measurement	10.6	10.5	°C	0.9	20	

QCBatchID:	**QC1208589**	**Analyst:**	npham	**Method:**	SM 2540-C
Matrix:	Water	**Analyzed:**	11/09/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208589MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208589LCS1											
Total Dissolved Solids	95		97.0		mg/L	102			90-110		

QCBatchID: QC1208591 **Analyst:** npham **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208591MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208591LCS1											
Chlorine, Total Residual	1		1.04		mg/L	104			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208591DUP1						**Source: 421153-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1208592**	**Analyst:**	npham	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208592DUP1						**Source: 421153-001**
Turbidity	0.21	0.21	NTU	0.0	20	

QCBatchID:	**QC1208594**	**Analyst:**	npham	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208594DUP1						**Source: 421139-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1208595**	**Analyst:**	npham	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	11/08/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208595DUP1						**Source: 421139-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1208605 **Analyst:** npham **Method:** SM 5540-C

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208605MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208605LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208605MS1, QC1208605MSD1												**Source: 421153-001**
MBAS	ND	1	1	0.95	0.95	mg/L	95	95	0.0	75-125	20	

QCBatchID: QC1208658 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208658MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	ND	mg/L	0.086	1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208658LCS1											
Bromide	15		14.7		mg/L	98			90-110		
Chloride	100		107		mg/L	107			90-110		
Nitrate, as Nitrogen	9.03		9.50		mg/L	105			90-110		
Nitrite, as Nitrogen	9.15		9.34		mg/L	102			90-110		
Sulfate	50		51.7		mg/L	103			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208658MS1, QC1208658MSD1												**Source: 421069-001**
Bromide	0.156	15	15	15.0	15.2	mg/L	99	100	1.3	80-120	20	
Chloride	74.3	100	100	169	170	mg/L	95	96	0.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.74	9.76	mg/L	108	108	0.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.57	8.56	mg/L	94	94	0.1	80-120	20	
Sulfate	16.5	50	50	67.2	67.7	mg/L	101	102	0.7	80-120	20	

QCBatchID:	**QC1208679**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	11/11/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208679MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208679DUP1						**Source: 420926-005**
Total Suspended Solids	648	636	mg/L	1.9	5	

QCBatchID: QC1208705 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208705MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208705LCS1											
Total Phosphorous as P	0.4		0.362		mg/L	91			80-120		
Total Phosphorous as PO4	1.23		1.110		mg/L	90			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208705MS1, QC1208705MSD1												**Source: 420981-003**
Total Phosphorous as P	0.032	0.4	0.4	0.453	0.455	mg/L	105	106	0.4	75-125	20	
Total Phosphorous as PO4	0.098	1.23	1.23	1.389	1.395	mg/L	105	105	0.4	75-125	20	

QCBatchID: QC1208707 **Analyst:** npham **Method:** EPA 1664A

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208707MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1208707LCS1, QC1208707LCSD1											
Non-Polar Oil and Grease	20	20	14.9	16.0	mg/L	75	80	7	64-132	34	
Total Oil and Grease	40	40	34.3	38.9	mg/L	86	97	13	78-114	18	

QCBatchID: QC1208712 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/13/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208712MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208712LCS1											
Ammonia, as Nitrogen	2.5		2.45		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208712MS1, QC1208712MSD1												**Source: 421170-001**
Ammonia, as Nitrogen	0.030	5	5	4.76	4.76	mg/L	95	95	11.7	80-120	20	

QCBatchID: QC1208789 **Analyst:** jbankhardts **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208789MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208789MS1, QC1208789MSD1												**Source: 421045-004**
Total Kjeldahl Nitrogen	ND	12.5	12.5	13	12	mg/L	104	96	8.0	80-120	20	

QCBatchID: QC1208825 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 11/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208825MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208825LCS1											
Total Organic Carbon (TOC)	10		8.63		mg/L	86			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208825MS1, QC1208825MSD1												**Source: 421139-001**
Total Organic Carbon (TOC)	8.48	20	20	22.0	22.4	mg/L	68	70	1.8	80-120	20	M

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 42 1139				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KbrtalikK@rinconconsulants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
LAMW-5S						X	X	X	X	X	X	X	X			MC
SMBRP-9						X	X	X	X	X	X	X	X			MC
SMBRP-11						X	X	X	X	X	X	X	X			MC
SMBRP-12						X	X	X	X	X	X	X	X			MC
MCWP-MW04S						X	X	X	X	X	X	X	X			MC
MCWP-MW04D	11/7/19	1245	W			X	X	X	X	X	X	X	X			
MCWP-MW07S						X	X	X	X	X	X	X	X			MC
MCWP-MW07D						X	X	X	X	X	X	X	X			MC
MCWP-MW09						X	X	X	X	X	X	X	X			MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS, INC.	11/7/19 / 1543
[1] Received By:		Henri Gutierrez	EA	11/7/19 / 15:44
[2] Relinquished By:		Henri Gutierrez	EA	11/7/19 / 19:14
[2] Received By:			EA	11/7/19 1914
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu Quarterly

Date Received: 11/7/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/7/19

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu-Quarterly
PO# 15-01587

Lab Request: 420981
Report Date: 11/13/2019
Date Received: 11/05/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
420981-001	LAMW-5S
420981-002	SMBRP-9
420981-003	SMBRP-11
420981-004	MCWP-MW04S

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	
Sampled:	11/05/2019 10:15	**Site:**			
Sample #:	**420981-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.74**	1	0.04	0.4	mg/L		11/08/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**5.71**	1	0.03	0.4	mg/L		11/08/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	**2.8 J**	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.267**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208456
Chloride	**112**	1	0.086	1	mg/L	11/05/19	11/05/19 22:55	JP	
Nitrate + Nitrite, as Nitrogen	**4.97**	1	0.018	0.1	mg/L	11/05/19	11/05/19 22:55	JP	
Nitrate, as Nitrogen	**4.97**	1	0.012	0.1	mg/L	11/05/19	11/05/19 22:55	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/05/19	11/05/19 22:55	JP	
Sulfate	**81.5**	1	0.077	1	mg/L	11/05/19	11/05/19 22:55	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**0.743**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208448
Color	ND	1	5	5	Color Unit		11/05/19 17:10	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208449
Turbidity	**48**	1	0.074	0.1	NTU		11/05/19 17:10	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208539
Odor Threshold	ND	1	1	1	T.O.N		11/05/19 17:10	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208584
Total Dissolved Solids	**496**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208599
Total Suspended Solids	**42.9**	1.54	0.77	0.77	mg/L	11/05/19	11/05/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208490
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/19 16:51	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208550
pH	**7.03**	1			SU	11/06/19 00:00	11/06/19 09:02	WW	T2
Temp. at Time of pH Measurement	**4.7**	1			°C	11/06/19 00:00	11/06/19 09:02	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208472
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/06/19	11/06/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208705
Total Phosphorous as P	**1.840**	20	0.2	0.4	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**5.64**	20	0.6	1.2	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208496
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 09:02	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**4.49**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**0.17**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208458
Fecal Coliform	**2**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	
Total Coliform	**330**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	
Sampled:	11/05/2019 09:45	**Site:**			
Sample #:	**420981-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.66**	1	0.04	0.4	mg/L		11/08/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.06**	1	0.03	0.4	mg/L		11/08/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	**1.7 J**	1.05	1.47	5.25	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.559**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208456
Chloride	**105**	1	0.086	1	mg/L	11/05/19	11/05/19 23:15	JP	
Nitrate + Nitrite, as Nitrogen	**1.40**	1	0.018	0.1	mg/L	11/05/19	11/05/19 23:15	JP	
Nitrate, as Nitrogen	**1.40**	1	0.012	0.1	mg/L	11/05/19	11/05/19 23:15	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/05/19	11/05/19 23:15	JP	
Sulfate	**176**	10	0.77	10	mg/L	11/05/19	11/06/19 01:11	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**0.657**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208448
Color	ND	1	5	5	Color Unit		11/05/19 17:10	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208449
Turbidity	**190**	1	0.074	0.1	NTU		11/05/19 17:10	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208539
Odor Threshold	ND	1	1	1	T.O.N		11/05/19 17:10	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208584
Total Dissolved Solids	**1020**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208599
Total Suspended Solids	**327**	4	2	2	mg/L	11/05/19	11/05/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208490
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/19 16:51	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208550
pH	**7.21**	1			SU	11/06/19 00:00	11/06/19 09:10	WW	T2
Temp. at Time of pH Measurement	**5**	1			°C	11/06/19 00:00	11/06/19 09:10	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208472
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/06/19	11/06/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208705
Total Phosphorous as P	**0.025**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.077**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208496
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 09:10	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**23.0**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**0.094**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208458
Fecal Coliform	**6.3**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	
Total Coliform	**33**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	
Sampled:	11/05/2019 11:45	**Site:**			
Sample #:	**420981-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**3.00**	1	0.04	0.4	mg/L		11/08/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**6.01**	1	0.03	0.4	mg/L		11/08/19	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1208547
Total Oil and Grease	**2.0 J**	1.05	1.47	5.25	mg/L	11/07/19	11/07/19	EC	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1208504
Boron	**0.614**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1208456
Chloride	**297**	10	0.86	10	mg/L	11/05/19	11/06/19 01:31	JP	
Nitrate + Nitrite, as Nitrogen	**3.01**	1	0.018	0.1	mg/L	11/05/19	11/06/19 01:31	JP	
Nitrate, as Nitrogen	**3.01**	1	0.012	0.1	mg/L	11/05/19	11/05/19 23:34	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/05/19	11/05/19 23:34	JP	
Sulfate	**389**	10	0.77	10	mg/L	11/05/19	11/06/19 01:31	JP	
Method: EPA 351.2	Prep Method: Method						QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**3.0**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1208448
Color	ND	1	5	5	Color Unit		11/05/19 17:10	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1208449
Turbidity	**51**	1	0.074	0.1	NTU		11/05/19 17:10	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1208539
Odor Threshold	ND	1	1	1	T.O.N		11/05/19 17:10	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1208584
Total Dissolved Solids	**1210**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1208599
Total Suspended Solids	**91.2**	2.5	1.25	1.25	mg/L	11/05/19	11/05/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1208490
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/19 16:51	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1208550
pH	**6.72**	1			SU	11/06/19 00:00	11/06/19 09:08	WW	T2
Temp. at Time of pH Measurement	**4.9**	1			°C	11/06/19 00:00	11/06/19 09:08	WW	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1208472
Ammonia, as Nitrogen	**1.50**	1	0.01	0.1	mg/L	11/06/19	11/06/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1208705
Total Phosphorous as P	**0.032**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.098**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1208496
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 09:08	WW	
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**8.45**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1208557
MBAS	**0.20**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1208458
Fecal Coliform	**<1**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	
Total Coliform	**19**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	
Sampled:	11/05/2019 11:00	**Site:**			
Sample #:	**420981-004**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.4	mg/L		11/08/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.61**	1	0.03	0.4	mg/L		11/08/19	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1208547
Total Oil and Grease	ND	1.11	1.554	5.55	mg/L	11/07/19	11/07/19	EC	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1208504
Boron	**1.60**	1	0.03	0.05	mg/L		11/08/19	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1208456
Chloride	**606**	10	0.86	10	mg/L	11/05/19	11/06/19 01:50	JP	
Nitrate + Nitrite, as Nitrogen	**1.41**	1	0.018	0.1	mg/L	11/05/19	11/06/19 01:50	JP	
Nitrate, as Nitrogen	**1.41**	1	0.012	0.1	mg/L	11/05/19	11/06/19 00:33	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/05/19	11/06/19 00:33	JP	
Sulfate	**2550**	50	3.85	50	mg/L	11/05/19	11/06/19 11:30	JP	
Method: EPA 351.2 Prep Method: Method							QCBatchID:		QC1208561
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	11/07/19	11/08/19	TP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1208448
Color	ND	1	5	5	Color Unit		11/05/19 17:10	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1208449
Turbidity	**5.0**	1	0.074	0.1	NTU		11/05/19 17:10	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1208539
Odor Threshold	ND	1	1	1	T.O.N		11/05/19 17:10	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1208584
Total Dissolved Solids	**5050**	2	20	20	mg/L	11/08/19	11/09/19	TP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1208599
Total Suspended Solids	**3.1**	1.11	0.555	0.555	mg/L	11/05/19	11/05/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1208490
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/19 16:51	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1208550
pH	**7.30**	1			SU	11/06/19 00:00	11/06/19 09:12	WW	T2
Temp. at Time of pH Measurement	**4.4**	1			°C	11/06/19 00:00	11/06/19 09:12	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1208472
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/06/19	11/06/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1208705
Total Phosphorous as P	**0.320**	1	0.01	0.02	mg/L	11/12/19	11/12/19	TP	
Total Phosphorous as PO4	**0.981**	1	0.03	0.06	mg/L	11/12/19	11/12/19	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1208496
BOD	ND	1	3	3	mg/L	11/06/19	11/06/19 09:12	WW	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1208488
Total Organic Carbon (TOC)	**27.5**	1	0.091	1	mg/L	11/06/19	11/06/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1208557
MBAS	**0.15**	1	0.027	0.04	mg/L	11/07/19 08:00	11/07/19 16:42	NP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1208458
Fecal Coliform	**<1**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	
Total Coliform	**25**	1			MPN/100ml	11/05/19 18:11	11/06/19	CO	

QCBatchID:	**QC1208448**	**Analyst:**	Echavez	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	11/05/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208448DUP1						**Source: 420969-001**
Color	5	5	Color Unit	0.0	20	

QCBatchID:	**QC1208449**	**Analyst:**	Echavez	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	11/05/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208449DUP1						**Source: 420969-001**
Turbidity	8800	8600	NTU	2.3	20	

QCBatchID: QC1208456 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/05/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208456MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208456LCS1											
Bromide	15		14.8		mg/L	99			90-110		
Chloride	100		107		mg/L	107			90-110		
Nitrate, as Nitrogen	9.03		9.46		mg/L	105			90-110		
Nitrate, as NO3	40		41.9		mg/L	105			90-110		
Nitrite, as Nitrogen	9.15		9.30		mg/L	102			90-110		
Sulfate	50		51.8		mg/L	104			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208456MS1, QC1208456MSD1												**Source: 421018-001**
Bromide	0.170	15	15	15.1	15.1	mg/L	100	100	0.0	80-120	20	
Chloride	77.7	100	100	169	170	mg/L	91	92	0.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.45	9.58	mg/L	105	106	1.4	80-120	20	
Nitrate, as NO3	ND	40	40	41.8	42.5	mg/L	105	106	1.7	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.66	8.75	mg/L	95	96	1.0	80-120	20	
Sulfate	15.3	50	50	65.8	66.0	mg/L	101	101	0.3	80-120	20	

QCBatchID: QC1208472 **Analyst:** Echavez **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208472MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208472LCS1											
Ammonia, as Nitrogen	2.5		2.56		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208472MS1, QC1208472MSD1												**Source: 420782-001**
Ammonia, as Nitrogen	ND	2.5	2.5	2.57	2.54	mg/L	103	102	1.2	80-120	20	

QCBatchID: QC1208488 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 11/06/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208488MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208488LCS1											
Total Organic Carbon (TOC)	10		9.44		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208488MS1, QC1208488MSD1												**Source: 420789-002**
Total Organic Carbon (TOC)	14.0	20	20	33.2	34.2	mg/L	96	101	3.0	80-120	20	

QCBatchID: QC1208490	**Analyst:** npham	**Method:** SM 4500-Cl	
Matrix: Water	**Analyzed:** 11/06/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208490MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208490LCS1											
Chlorine, Total Residual	1		0.94		mg/L	94			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208490DUP1						**Source: 421048-002**
Chlorine, Total Residual	3.97	3.79	mg/L	4.6	20	

QCBatchID:	**QC1208496**	**Analyst:**	npham	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208496MB1					
BOD	ND	mg/L	3	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208496LCS1											
BOD	198		182		mg/L	92			84.6-115.4		

QCBatchID: QC1208504 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208504MB1					
Aluminum	ND	mg/L	0.033	0.05	
Arsenic	ND	mg/L	0.009	0.01	
Barium	ND	mg/L	0.002	0.01	
Boron	ND	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.002	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.008	0.01	
Lead	ND	mg/L	0.007	0.01	
Manganese	ND	mg/L	0.006	0.01	
Nickel	ND	mg/L	0.004	0.01	
Potassium	ND	mg/L	0.167	0.5	
Silver	ND	mg/L	0.005	0.005	
Sodium	ND	mg/L	0.119	0.5	
Zinc	ND	mg/L	0.017	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504LCS1											
Aluminum	2		2.03		mg/L	102			85-115		
Arsenic	2		1.81		mg/L	91			85-115		
Barium	2		1.91		mg/L	96			85-115		
Boron	2		1.84		mg/L	92			85-115		
Cadmium	2		1.86		mg/L	93			85-115		
Chromium	2		1.89		mg/L	95			85-115		
Copper	2		1.80		mg/L	90			85-115		
Lead	2		1.78		mg/L	89			85-115		
Manganese	2		2.03		mg/L	102			85-115		
Nickel	2		1.85		mg/L	93			85-115		
Potassium	38		35.9		mg/L	94			85-115		
Silver	1		0.916		mg/L	92			85-115		
Sodium	20		19.6		mg/L	98			85-115		
Zinc	2		1.99		mg/L	100			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504MS1												**Source: 420955-001**
Aluminum	1.62	1		2.64		mg/L	102			75-125		
Arsenic	ND	1		1.11		mg/L	111			75-125		
Barium	0.026	1		0.970		mg/L	94			75-125		
Boron	7.10	1		8.46		mg/L	136			75-125		NC
Cadmium	0.158	1		1.11		mg/L	95			75-125		
Chromium	ND	1		0.908		mg/L	91			75-125		
Copper	ND	1		0.898		mg/L	90			75-125		
Lead	ND	1		0.979		mg/L	98			75-125		
Manganese	ND	1		0.970		mg/L	97			75-125		
Nickel	0.688	1		1.66		mg/L	97			75-125		
Potassium	3870	29		4220		mg/L	1207			75-125		NC
Silver	ND	1		0.955		mg/L	96			75-125		
Sodium	7760	20		7870		mg/L	550			75-125		NC
Zinc	0.431	1		1.52		mg/L	109			75-125		

QCBatchID: QC1208504 **Analyst:** rvenegas **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208504MS2												**Source: 421053-002**
Aluminum	2.70	1		3.55		mg/L	85			75-125		
Arsenic	ND	1		0.948		mg/L	95			75-125		
Barium	0.069	1		0.953		mg/L	88			75-125		
Boron	0.333	1		1.22		mg/L	89			75-125		
Cadmium	ND	1		0.830		mg/L	83			75-125		
Chromium	0.010	1		0.880		mg/L	87			75-125		
Copper	ND	1		0.863		mg/L	86			75-125		
Lead	ND	1		0.834		mg/L	83			75-125		
Manganese	0.505	1		1.48		mg/L	98			75-125		
Nickel	0.009	1		0.842		mg/L	83			75-125		
Potassium	5.66	29		31.7		mg/L	90			75-125		
Silver	ND	1		0.864		mg/L	86			75-125		
Sodium	213	20		208		mg/L	0			75-125		NC
Zinc	0.023	1		0.895		mg/L	87			75-125		

QCBatchID:	**QC1208539**	**Analyst:**	npham	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	11/05/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208539DUP1						**Source: 420981-004**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1208547	**Analyst:** Echavez	**Method:** EPA 1664A	
Matrix: Water	**Analyzed:** 11/07/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208547MB1					
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208547LCS1, QC1208547LCSD1											
Total Oil and Grease	40	40	35.7	37.0	mg/L	89	93	4	78-114	18	

QCBatchID:	QC1208550	**Analyst:**	npham	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	11/06/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208550DUP1						**Source: 420981-004**
pH	7.30	7.31	SU	0.1	20	
Temp. at Time of pH Measurement	4.4	4.5	°C	2.2	20	

QCBatchID: QC1208557 **Analyst:** npham **Method:** SM 5540-C

Matrix: Water **Analyzed:** 11/07/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208557MB1					
MBAS	ND	mg/L	0.027	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208557LCS1											
MBAS	1		1.1		mg/L	110			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208557MS1, QC1208557MSD1												**Source: 421057-001**
MBAS	ND	1	1	1.0	1.0	mg/L	100	100	0.0	75-125	20	

QCBatchID: QC1208561 **Analyst:** trinh **Method:** EPA 351.2

Matrix: Water **Analyzed:** 11/08/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208561MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208561LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208561MS1, QC1208561MSD1												**Source: 420909-001**
Total Kjeldahl Nitrogen	1.3	12.5	12.5	13	14	mg/L	94	102	7.4	80-120	20	

QCBatchID: QC1208584 **Analyst:** npham **Method:** SM 2540-C

Matrix: Water **Analyzed:** 11/09/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208584MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208584LCS1											
Total Dissolved Solids	95		97.0		mg/L	102			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208584DUP1						**Source: 420981-004**
Total Dissolved Solids	5050	5040	mg/L	0.2	5	

QCBatchID:	**QC1208599**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	11/05/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208599MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1208599DUP1						**Source: 420981-002**
Total Suspended Solids	327	314	mg/L	4.1	5	

QCBatchID: QC1208705 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/12/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1208705MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208705LCS1											
Total Phosphorous as P	0.4		0.362		mg/L	91			80-120		
Total Phosphorous as PO4	1.23		1.110		mg/L	90			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1208705MS1, QC1208705MSD1												**Source: 420981-003**
Total Phosphorous as P	0.032	0.4	0.4	0.453	0.455	mg/L	105	106	0.4	75-125	20	
Total Phosphorous as PO4	0.098	1.23	1.23	1.389	1.395	mg/L	105	105	0.4	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 47098	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	MICHELLE CARTER

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
LAMW-5S	11/5/19	1015	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-9	11/5/19	0945	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-11	11/5/19	1145	W			X	X	X	X	X	X	X	X	X	X	
~~SMBRP-12~~						X	X	X	X	X	X	X	X	X	X	MC
MCWP-MW04S	11/5/19	1100	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSUTANTS, INC	11/5/19 / 1349
[1] Received By:		Henri Gutierrez	EA	11/5/19 / 13:52
[2] Relinquished By:		Henri Gutierrez	EA	11/5/19 / 14:00
[2] Received By:		GKM	CA	11/5/19 1900
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No:	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 2 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
LAMW-5S	11/5/19	1015	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-9	11/5/19	0945	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-11	11/5/19	1145	W			X	X	X	X	X	X	X	X	X	X	
~~SMBRP-12~~						X	X	X	X	X	X	X	X	X	X	MC
MCWP-MW04S	11/5/19	1100	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	RINCON CONSULTANTS INC	11/5/19 / 1348
[1] Received By:		Henri Gutierrez	EA	11/5/19 / 13:50
[2] Relinquished By:		Henri Gutierrez	EA	11/5/19 / 19:00
[2] Received By:		S Kim	EA	11/5/19 1900
[3] Relinquished By:				
[3] Received By:				

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No:				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	3	of	3	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 608 Pest/PCBs	Test Instructions / Comments
LAMW-5S	11/5/19	1015	W			X	X	
SMBRP-9	11/5/19	0945	W			X	X	
SMBRP-11	11/5/19	1145	W			X	X	
~~SMBRP-12~~						~~X~~	~~X~~	MC
MCWP-MW04S	11/5/19	1100	W			X	X	
~~MCWP-MW04D~~						~~X~~	~~X~~	MC
~~MCWP-MW07S~~						~~X~~	~~X~~	MC
~~MCWP-MW07D~~						~~X~~	~~X~~	MC
~~MCWP-MW09~~						~~X~~	~~X~~	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	RINCON CONSULTANTS, INC.	11/5/19 / 1348
[1] Received By:		Henri Gutierrez	EA	11/5/19 / 13:50
[2] Relinquished By:		Henri Gutierrez	EA	11/5/19 / 19:00
[2] Received By:		6 Kim	EA	11/5/19 1900
[3] Relinquished By:				
[3] Received By:				

1 of 2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultant Project: Malibu Quarterly

Date Received: 11/5/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

The COC is the incorrect project.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/5/19

			ACCREDITED FIELD OF TESTING (FOT)																											
LABORATORY	**ELAP**	**EXPIRES**	**101**	**102**	**103**	**104**	**105**	**106**	**107**	**108**	**109**	**110**	**111**	**112**	**113**	**114**	**115**	**116**	**117**	**118**	**119**	**120**	**121**	**122**	**123**	**124**	**125**	**126**	**127**	**128**	**129**
AmeriSci	2508	06/30/2020																					X								
CERES Analytical Laboratory	2933	04/30/2021					X						X						X												
Enthalpy Analytical	2896	01/31/2021		X						X	X	X	X			X	X	X	X			X									
Eurofins Calscience	2944	09/30/2020		X	X	X				X	X	X	X			X	X	X	X		X	X									
Fruit Growers Laboratory	1573	07/31/2020	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X									X			
LA Testing	1406	02/22/2020														X	X					X	X								
North Coast Laboratories	1247	07/31/2020	X	X	X	X	X		X	X	X	X	X			X	X	X	X												
Pat-Chem Laboratories	1531	05/31/2021	X	X	X	X	X		X	X	X	X	X			X	X	X	X			X						X			
Weck Laboratories	1132	03/31/2020	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X			X						X			

FOT KEY:

E101 - Microbiology of Drinking Water
E102 - Inorganic Chemistry of Drinking Water
E103 - Toxic Chemical Elements of Drinking Water
E104 - Volatile Organic Chemistry of Drinking Water
E105 - Semi-volatile Organic Chemistry of Drinking Water
E106 - Radiochemistry of Drinking Water
E107 - Microbiology of Wastewater
E108 - Inorganic Chemistry of Wastewater
E109 - Toxic Chemical Elements of Wastewater
E110 - Volatile Organic Chemistry of Wastewater
E111 - Semi-volatile Organic Chemistry of Wastewater
E112 - Radiochemistry of Wastewater
E113 - Whole Effluent Toxicity of Wastewater
E114 - Inorganic Chemistry & Toxic Chemical Elements of Hazardous Waste
E115 - Extraction Test of Hazardous Waste

E116 - Volatile Organic Chemistry of Hazardous Waste
E117 - Semi-volatile Organic Chemistry of Hazardous Waste
E118 - Radiochemistry of Hazardous Waste
E119 - Toxicity Bioassay of Hazardous Waste
E120 - Physical Properties of Hazardous Waste
E121 - Bulk Asbestos Analysis of Hazardous Waste
E122 - Microbiology of Food (under development)
E123 - Inorganic Chemistry and Toxic Chemical Elements of Pesticide Residues in Food (under development)
E124 - Organic Chemistry of Pesticide Residues in Food (measurements by MS techniques)
E125 - Organic Chemistry of Pesticide Residues in Food (excluding measurements by MS techniques)
E126 - Microbiology of Recreational Water
E127 - Shellfish Sanitation
E128 - Air Quality Monitoring (under development)
E129 - Parasites in Potable Water

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

America Science Team of Richmond, Inc. dba AmeriSci Richmond

13635 Genito Road

Midlothian, VA 23112

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2508**

Expiration Date: **6/30/2020**

Effective Date: **7/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

America Science Team of Richmond, Inc. dba AmeriSci Richmond

13635 Genito Road
Midlothian, VA 23112
Phone: 8047631200

Certificate No. **2508**
Expiration Date **6/30/2020**

Primary Accreditation Body

Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010	001	Bulk Asbestos	EPA 600/M4-82-020	NVLAP

As of 6/25/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

State Water Resources Control Board

June 25, 2019

T. Brian Keith
America Science Team of Richmond, Inc. dba AmeriSci Richmond
13635 Genito Road
Midlothian, VA 23112

Dear T. Brian Keith: Certificate No. 2508

Congratulations! This notice advises that the laboratory named above has been accredited as an environmental testing laboratory pursuant to the provisions of the California Health and Safety Code (HSC) Sections 100825-100920. The analyses for which this laboratory is accredited are indicated on the enclosed "Accredited Fields of Testing" List.

The laboratory's accreditation begins on the date printed on the enclosed certificate. For renewed accreditations, this date is determined by compliance with applicable deadlines. Noncompliance with these deadlines may have resulted in lapse of accreditation.

Be advised, the laboratory may have been denied accreditation for one or more analyses for which it applied due to failure to comply with regulatory requirements for application or accreditation. It is the laboratory's responsibility to review the enclosed list and know for which methods the laboratory has been accredited. This accreditation is a final action of the state board, subject to petition under Health and Safety Code Section 116701 within 30 days. However, if you believe that a FOT has been left off of your accreditation in error, you may submit to ELAP within 30 days of this letter, an "Accreditation Inquiry Request Form" located at www.waterboards.ca.gov/elap identifying any mistakes or errors you believe occurred in your accreditation, which will begin the period in which to file a petition. ELAP will then review all timely submitted "Accreditation Inquiry Request Forms" and will make a final determination which could then petitioned to the State Water Resources Control Board. **Failure to submit a petition to the State Water Resources Control Board or an "Accreditation Inquiry Request Form" to ELAP within 30 days of this letter will prohibit you from obtaining any further review of your accreditation.**

HSC Section 100890 lists the civil penalties for environmental laboratories that perform analyses for state regulatory purposes without a valid certificate.

Continued accreditation is contingent upon compliance with HSC Sections 100825-100920 and California Code of Regulations, Title 22, Division 4, Chapter 19, Certification of Environmental Laboratories. ELAP reserves the right to take enforcement action, including issuance of civil penalties, or supension and revocation of the laboratory's ELAP certificate, for failure to comply with all applicable regulations, statutes and orders.

Thank you

Christine Sotelo, Chief
California Environmental Laboratory Accreditation Program (CA ELAP)

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1
El Dorado Hills, CA 95762
Phone: 9169325011

Certificate No. **3046**
Expiration Date **4/30/2021**

Field of Testing:	105 - Semi-volatile Organic Chemistry of Drinking Water		
105.230	000	Dioxins	EPA 1613 B
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screen	EPA 1613 B
Field of Testing:	111 - Semi-volatile Organic Chemistry of Wastewater		
111.111	000	Dioxins and Dibenzofurans	EPA 1613 B
Field of Testing:	117 - Semi-volatile Organic Chemistry of Hazardous Waste		
117.130	000	Dioxins and Dibenzofurans	EPA 8290

As of 5/15/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Enthalpy Analytical LLC

2323 Fifth Street

Berkeley, CA 94710

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2896**

Expiration Date: **1/31/2021**

Effective Date: **2/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Enthalpy Analytical LLC

2323 Fifth Street
Berkeley, CA 94710
Phone: (510) 486-0900

Certificate No. **2896**
Expiration Date **1/31/2021**

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.045	001	Perchlorate	EPA 314.0

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Chlorine, Total Residual	SM 4500-Cl C-2011
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.501	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-1997
108.502	002	Ammonia (as N)	SM 4500-NH3 B,E-1997
108.540	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus,Total	SM 4500-P E-1999
108.552	001	Silica, Dissolved	SM 4500-SiO2 C-1997
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000

108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8

109.190	001	Mercury	EPA 245.1	
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater				
110.040	000	Purgeable Organic Compounds	EPA 624	
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater				
111.100	000	Base/Neutral & Acid Organics	EPA 625	
111.170	000	Organochlorine Pesticides and PCBs	EPA 608	
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste				
114.010	001	Antimony	EPA 6010 B	
114.010	002	Arsenic	EPA 6010 B	
114.010	003	Barium	EPA 6010 B	
114.010	004	Beryllium	EPA 6010 B	
114.010	005	Cadmium	EPA 6010 B	
114.010	006	Chromium	EPA 6010 B	
114.010	007	Cobalt	EPA 6010 B	
114.010	008	Copper	EPA 6010 B	
114.010	009	Lead	EPA 6010 B	
114.010	010	Molybdenum	EPA 6010 B	
114.010	011	Nickel	EPA 6010 B	
114.010	012	Selenium	EPA 6010 B	
114.010	013	Silver	EPA 6010 B	
114.010	014	Thallium	EPA 6010 B	
114.010	015	Vanadium	EPA 6010 B	
114.010	016	Zinc	EPA 6010 B	
114.020	001	Antimony	EPA 6020	
114.020	002	Arsenic	EPA 6020	
114.020	003	Barium	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	008	Copper	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	011	Nickel	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	013	Silver	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.020	015	Vanadium	EPA 6020	
114.020	016	Zinc	EPA 6020	
114.103	001	Chromium (VI)	EPA 7196 A	Aqueous Only
114.106	001	Chromium (VI)	EPA 7199	Aqueous Only
114.140	001	Mercury	EPA 7470 A	Aqueous Only

114.141	001	Mercury	EPA 7471 A	
114.222	001	Cyanide, Total	EPA 9014	
114.230	001	Sulfides, Total	EPA 9034	Interim
114.240	001	Corrosivity - pH Determination	EPA 9040 B	Interim
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
114.250	001	Fluoride	EPA 9056	Interim

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)	
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)	

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B	
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B	
116.040	062	BTEX	EPA 8021 B	
116.080	000	Volatile Organic Compounds	EPA 8260 B	

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B	
117.110	000	Extractable Organics	EPA 8270 C	
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310	Aqueous Only
117.170	000	Nitroaromatics and Nitramines	EPA 8330	Aqueous Only
117.210	000	Organochlorine Pesticides	EPA 8081 A	Aqueous Only
117.220	000	PCBs	EPA 8082	Aqueous Only

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010	
120.070	001	Corrosivity - pH Determination	EPA 9040 B	Interim
120.080	001	Corrosivity - pH Determination	EPA 9045 C	

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Eurofins Calscience, LLC

7440 Lincoln Way

Garden Grove, CA 92841-1427

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2944**

Expiration Date: **9/30/2020**

Effective Date: **10/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Eurofins Calscience, LLC

7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 7148955494

Certificate No. **2944**
Expiration Date **9/30/2020**

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate,Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	003	Chlorate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.100	001	Alkalinity	SM 2320 B-1997
102.121	001	Hardness	SM 2340 C-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.148	001	Calcium	SM 3500-Ca B-1997
102.174	001	Chlorine, Free	SM 4500-Cl F-2000
102.174	002	Chlorine, Total Residual	SM 4500-Cl F-2000
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.200	001	Fluoride	SM 4500-F C-2011
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.240	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
102.260	001	Total Organic Carbon TOC	SM 5310 B-2000

As of 10/3/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.264	001	Total Organic Carbon TOC	SM 5310 D-2000
102.265	001	Dissolved Organic Carbon (DOC)	SM 5310 D-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2

Field of Testing: 108 - Inorganic Constituents in Non-Potable Water

108.020	001	Specific Conductance	EPA 120.1

108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate,Ortho (as P)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus,Total	EPA 365.1
108.264	001	Phosphate, Ortho	EPA 365.3
108.265	001	Phosphorus,Total	EPA 365.3
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.385	001	Color	SM 2120 B-2001
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.421	001	Hardness	SM 2340 C-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.439	001	Residue, Volatile	SM 2540 E-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.451	001	Chloride	SM 4500-Chloride C-1997
108.464	001	Chlorine, Total Residual	SM 4500-Cl F-2000
108.464	002	Chlorine, Free	SM 4500-Cl F-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.473	001	Cyanide, Amenable	SM 4500-CN G-1999
108.480	001	Fluoride	SM 4500-F B,C-1997

108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.500	002	Ammonia (as N)	SM 4500-NH3 B,C-1997
108.501	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-1997
108.504	002	Ammonia (as N)	SM 4500-NH3 F-1997
108.511	001	Kjeldahl Nitrogen,Total (as N)	SM 4500-Norg B- 1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.528	001	Nitrate-Nitrite (as N)	SM 4500-NO3- E-2000
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.598	001	Organic Carbon-Total (TOC)	SM 5310 D-2000
108.605	001	Surfactants	SM 5540 C-2000
108.626	001	Phenols, Total	SM 5530 D-2010

Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8

109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water

110.020	000	Purgeable Aromatics	EPA 602
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B

114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.106	001	Chromium (VI)	EPA 7199
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.023	001	TCLP Volatiles	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B
116.040	061	Aromatic Volatiles	EPA 8021 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B

117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.170	000	Nitroaromatics and Nitramines	EPA 8330
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.080	001	Corrosivity - pH Determination	EPA 9045 C

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

Interim

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Fruit Growers Laboratory

Santa Paula

853 Corporation Street

Santa Paula, CA 93060

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1573**

Expiration Date: **7/31/2020**

Effective Date: **8/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

July 26, 2019

Mr. Kelly Dunnahoo
Fruit Growers Laboratory
853 Corporation Street
Santa Paula, CA 93060

Dear Mr. Kelly Dunnahoo: Certificate No. 1573

This is to advise you that the laboratory named above has been granted an interim certificate pursuant to California Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100850(d).

The Fields of Testing for which this laboratory has been granted interim certification is shown in the enclosed "Fields of Testing". The Interim certificate shall remain in effect until **July 31, 2020** or until a certificate pursuant to HSC 100825(a) is issued.

Your laboratory is required to participate in the appropriate performance evaluation studies and to perform acceptably in such studies as stated in HSC 100870 and Title 22 of the California Code of Regulations Section 64809. Continued compliance with the Environmental Laboratory Accreditation Program statutes and regulations is required for maintaining the interim certification status.

Any changes in laboratory location or structural alterations, which may adversely affect the quality of analysis in the fields of testing for which the laboratory has been granted certification, require prior notification. Notification is also required for changes in ownership or laboratory director within 30 days after the change (HSC 100845(b) and (d)).

Contact our office at (916) 323-3431 or elapca@waterboards.ca.gov for questions.

Sincerely,

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

Enclosure

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Fruit Growers Laboratory
Santa Paula
853 Corporation Street
Santa Paula, CA 93060
Phone: 8053922000

Certificate No. 1573
Expiration Date 7/31/2020
INTERIM

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	001	Total Coliform P/A	SM 9221 B
101.020	002	Fecal Coliform P/A	SM 9221 B,E
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.050	011	Total Coliform (Enumeration)	SM 9223 B Colisure
101.050	012	E. coli (Enumeration)	SM 9223 B Colisure
101.170	001	Enterococci	Enterolert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate,Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.045	001	Perchlorate	EPA 314.0

As of 7/26/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.234	001	Nitrite (as N)	SM 4500-NO3 F-2000
102.234	002	Nitrate (as N)	SM 4500-NO3 F-2000
102.240	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8

103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2

104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3

105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.175	001	Bromodichloromethane	EPA 551.1
105.175	002	Bromoform	EPA 551.1
105.175	003	Chloroform	EPA 551.1
105.175	004	Dibromochloromethane	EPA 551.1
105.175	005	Trihalomethanes	EPA 551.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2
Field of Testing: 106 - Radiochemistry of Drinking Water			
106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.050	001	Total Alpha Radium	EPA 903.0
106.050	002	Radium-226	EPA 903.0
106.070	003	Strontium-90	EPA 905.0
106.080	001	Tritium	EPA 906.0
106.090	001	Uranium	EPA 908.0
106.092	001	Uranium	EPA 200.8
106.170	001	Radium-228	EPA Ra-05
106.270	001	Gross Alpha	SM 7110 C

106.610	001	Radon-222	SM 7500-Rn
Field of Testing: 107 - Microbiology of Wastewater			
107.010	001	Heterotrophic Bacteria	SM 9215 B
107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C,E-2006
107.242	001	Enterococci	Enterolert
107.245	001	E. coli (Enumeration)	SM 9223 B Colilert 18
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert
Field of Testing: 108 - Inorganic Chemistry of Wastewater			
108.090	001	Residue, Volatile	EPA 160.4
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.112	008	Phosphorus,Total	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate,Ortho (as P)	EPA 300.0
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.267	001	Phosphorus,Total	EPA 200.7
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.470	001	Cyanide, Total	SM 4500-CN B or C-1999

108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.506	002	Ammonia (as N)	SM 4500-NH3 G-1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.529	001	Nitrate-Nitrite (as N)	SM 4500-NO3 F-2000
108.529	002	Nitrite (as N)	SM 4500-NO3 F-2000
108.529	003	Nitrate (as N)	SM 4500-NO3 F-2000
108.540	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus,Total	SM 4500-P E-1999
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8

109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.101	000	Organochlorine Pesticides and PCBs	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632
Field of Testing: 112 - Radiochemistry of Wastewater			
112.010	001	Gross Alpha	EPA 900.0
112.010	002	Gross Beta	EPA 900.0
112.020	001	Total Alpha Radium	EPA 903.0
112.180	001	Tritium	EPA 906.0
112.190	001	Uranium	EPA 908.0
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B

114.010	011	Nickel	EPA 6010 B	
114.010	012	Selenium	EPA 6010 B	
114.010	013	Silver	EPA 6010 B	
114.010	014	Thallium	EPA 6010 B	
114.010	015	Vanadium	EPA 6010 B	
114.010	016	Zinc	EPA 6010 B	
114.020	002	Arsenic	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.140	001	Mercury	EPA 7470 A	
114.221	001	Cyanide, Total	EPA 9012 A	
114.240	001	Corrosivity - pH Determination	EPA 9040 B	
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
Field of Testing: 115 - Extraction Test of Hazardous Waste				
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste				
116.080	000	Volatile Organic Compounds	EPA 8260 B	
116.080	120	Oxygenates	EPA 8260 B	
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste				
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B	
117.110	000	Extractable Organics	EPA 8270 C	
117.210	000	Organochlorine Pesticides	EPA 8081 A	Aqueous Only
117.220	000	PCBs	EPA 8082	Aqueous Only
117.240	000	Organophosphorus Pesticides	EPA 8141 A	Aqueous Only
117.250	000	Chlorinated Herbicides	EPA 8151 A	Aqueous Only
Field of Testing: 126 - Microbiology of Recreational Water				
126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006	
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C,E-2006	
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert	
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert	
126.080	001	Enterococci	Enterolert	

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

LA Testing

5431 Industrial Drive
Huntington Beach, CA 92649 USA
Phone: (714) 828-4999

Certificate No. **1406**
Expiration Date **2/22/2020**

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
Field of Testing: 120 - Physical Properties of Hazardous Waste			
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C
Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste			
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

As of 2/12/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

North Coast Laboratories, Ltd.

5680 West End Road
Arcata, CA 95521
Phone: (707) 822-4649

Certificate No. **1247**
Expiration Date **7/31/2020**

Field of Testing: 101 - Microbiology of Drinking Water			
101.010	001	Heterotrophic Bacteria	SM9215 B
101.050	001	Total Coliform P/A	SM9223 B (Colilert)
101.050	002	E. coli P/A	SM9223 B (Colilert)
101.050	003	Total Coliform (Enumeration)	SM9223 B (Colilert)
101.050	004	E. coli (Enumeration)	SM9223 B (Colilert)
Field of Testing: 102 - Inorganic Chemistry of Drinking Water			
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate	EPA 300.0
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.130	001	Conductivity	SM2510B-1997
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.240	001	Phosphate, Ortho (as P)	SM4500-P E-1999
102.262	001	Total Organic Carbon TOC	SM5310C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM5310C-2000
102.270	001	Surfactants	SM5540 C-2000
Field of Testing: 103 - Toxic Chemical Elements of Drinking Water			
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7

103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2

104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Perchloroethylene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.020	000	Phthalates & Adiptate Esters	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507

105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.161	001	Benzo(a)pyrene	EPA 550.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2
Field of Testing: 107 - Microbiology of Wastewater			
107.010	001	Heterotrophic Bacteria	SM9215 B
107.020	002	Total Coliform (Enumeration)	SM9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM9221 C,E-2006
107.245	002	E. coli (Enumeration)	SM9223 B (Colilert)
Field of Testing: 108 - Inorganic Chemistry of Wastewater			
108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7

108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	002	Oil & Grease Total	EPA 1664 Rev. B
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.430	001	Conductivity	SM2510B-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.465	001	Chlorine, Total Residual	SM4500-Cl G-2000
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.540	001	Phosphate, Ortho (as P)	SM4500-P E-1999
108.541	001	Phosphorus, Total	SM4500-P E-1999
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.597	001	Organic Carbon-Total (TOC)	SM5310C-2000
108.605	001	Surfactants	SM5540 C-2000
108.660	001	Chemical Oxygen Demand	HACH8000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8

109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.446	001	Chromium (VI)	SM3500-Cr C-2009

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater

110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater

111.030	000	Phthalate Esters	EPA 606
111.093	000	Chlorinated Herbicides	EPA 615
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.190	000	Organophosphorus Pesticides	EPA 619
111.210	000	Carbamates	EPA 632

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020

114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.141	001	Mercury	EPA 7471A
114.241	001	Corrosivity - pH Determination	EPA 9045C
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste			
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.100	010	BTEX and MTBE	LUFT GC/MS
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste			
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.210	000	Organochlorine Pesticides	EPA 8081A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.280	000	Carbamates	EPA 8321A

May 22, 2019

Steve Jefferson
Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340

Dear Steve Jefferson:

Certificate No. 1531

Congratulations! This notice advises that the laboratory named above has been accredited as an environmental testing laboratory pursuant to the provisions of the California Health and Safety Code (HSC) Sections 100825-100920. The analyses for which this laboratory is accredited are indicated on the enclosed "Accredited Fields of Testing" List.

The laboratory's accreditation begins on the date printed on the enclosed certificate. For renewed accreditations, this date is determined by compliance with applicable deadlines. Noncompliance with these deadlines may have resulted in lapse of accreditation.

Be advised, the laboratory may have been denied accreditation for one or more analyses for which it applied due to failure to comply with regulatory requirements for application or accreditation. It is the laboratory's responsibility to review the enclosed list and know for which methods the laboratory has been accredited. This accreditation is a final action of the state board, subject to petition under Health and Safety Code Section 116701 within 30 days. However, if you believe that a FOT has been left off of your accreditation in error, you may submit to ELAP within 30 days of this letter, an "Accreditation Inquiry Request Form" located at www.waterboards.ca.gov/elap identifying any mistakes or errors you believe occurred in your accreditation, which will begin the period in which to file a petition. ELAP will then review all timely submitted "Accreditation Inquiry Request Forms" and will make a final determination which could then petitioned to the State Water Resources Control Board. **Failure to submit a petition to the State Water Resources Control Board or an "Accreditation Inquiry Request Form" to ELAP within 30 days of this letter will prohibit you from obtaining any further review of your accreditation.**

HSC Section 100890 lists the civil penalties for environmental laboratories that perform analyses for state regulatory purposes without a valid certificate.

Continued accreditation is contingent upon compliance with HSC Sections 100825-100920 and California Code of Regulations, Title 22, Division 4, Chapter 19, Certification of Environmental Laboratories. ELAP reserves the right to take enforcement action, including issuance of civil penalties, or supension and revocation of the laboratory's ELAP certificate, for failure to comply with all applicable regulations, statutes and orders.

Thank you

Christine Sotelo, Chief
California Environmental Laboratory Accreditation Program (CA ELAP)

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Pat-Chem Laboratories

1824 First Street
San Fernando, CA 91340
Phone: 8186395300

Certificate No. 1531
Expiration Date 5/31/2021

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.010	002	Heterotrophic Bacteria	SimPlate
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate, Ortho (as P)	EPA 365.1
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999

As of 5/22/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.192	001	Cyanide, Amenable	SM 4500-CN G-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2

104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2

104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.020	000	Phthalate & Adipate Esters	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	009	Simazine	EPA 507
105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508
105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.070	000	Chlorinated Acids	EPA 515.1
105.070	001	Bentazon	EPA 515.1
105.070	002	2,4-D	EPA 515.1
105.070	003	Dalapon	EPA 515.1
105.070	004	Dicamba	EPA 515.1

105.070	005	Dinoseb	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	008	2,4,5-TP (Silvex)	EPA 515.1
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2
Field of Testing: 107 - Microbiology of Wastewater			
107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C,E-2006
107.242	001	Enterococci	Enterolert
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert
107.247	001	E. coli (Enumeration)	SM 9221 B,F-2006
Field of Testing: 108 - Inorganic Chemistry of Wastewater			
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite (as N)	EPA 353.2
108.260	001	Phosphate,Ortho (as P)	EPA 365.1

108.261	001	Phosphorus,Total	EPA 365.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.439	001	Residue, Volatile	SM 2540 E-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.444	001	Temperature	SM 2550 B-2010
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.465	002	Chlorine, Free	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.473	001	Cyanide, Amenable	SM 4500-CN G-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.596	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7

109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.445	002	Chromium (VI)	SM 3500-Cr B-2009
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.010	000	Phenols	EPA 604
111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B

114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste			
116.030	001	Gasoline-range Organics	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste			
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310

117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert
126.080	001	Enterococci	Enterolert

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Weck Laboratories, Inc.

14859 East Clark Avenue

City of Industry, CA 91745

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1132**

Expiration Date: **3/31/2020**

Effective Date: **4/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Weck Laboratories, Inc.

14859 East Clark Avenue
City of Industry, CA 91745
Phone: (626) 336-2139

Certificate No. 1132
Expiration Date 3/31/2020

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.050	011	Total Coliform (Enumeration)	SM 9223 B Colisure
101.050	012	E. coli (Enumeration)	SM 9223 B Colisure
101.140	001	Enterococci	SM 9230 B
101.170	001	Enterococci	Enterolert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1

102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.050	001	Cyanide, Total	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.070	001	Phosphate, Ortho	EPA 365.1
102.085	003	Organic Carbon-Total (TOC)	EPA 415.3 Revision 1.1
102.086	001	Dissolved Organic Carbon (DOC)	EPA 415.3 Revision 1.2
102.086	002	Specific UV Absorbance SUVA	EPA 415.3 Revision 1.2
102.086	004	UV254	EPA 415.3 Revision 1.2
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.180	001	Chlorine Dioxide	SM 4500-ClO2 D
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Total Organic Carbon TOC	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000
102.280	001	UV254	SM 5910 B-2011
102.570	001	Cyanide, Free	OIA-1677, DW

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8

103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	011	Mercury	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.035	000	Organochlorine Pesticides	EPA 508
105.083	000	Chlorinated Acids	EPA 515.4
105.090	000	Semi-volatile Organic Compounds	EPA 525.2
105.101	000	Carbamates	EPA 531.2
105.101	001	Carbofuran	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2
105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl	EPA 531.2
105.105	003	Perfluorobutanesulfonic Acid (PFBS)	EPA 537 Rev 1.1

105.105	006	Perfluoroheptanoic Acid (PFHpA)	EPA 537 Rev 1.1	
105.105	007	Perfluorohexanesulfonic Acid (PFHxS)	EPA 537 Rev 1.1	
105.105	009	Perfluorononanoic Acid (PFNA)	EPA 537 Rev 1.1	
105.105	010	Perfluorooctanoic Acid (PFOA)	EPA 537 Rev 1.1	
105.105	011	Perfluorooctylsulfonic Acid (PFOS)	EPA 537 Rev 1.1	
105.106	000	Per- and Polyfluorinated Alkyl Substances (PFAS)	EPA 537.1	CA
105.120	001	Glyphosate	EPA 547	
105.140	001	Endothall	EPA 548.1	
105.150	001	Diquat	EPA 549.2	
105.170	031	Disinfection Byproducts	EPA 551.1	
105.201	001	Haloacetic Acids (HAA5)	EPA 552.3	
105.210	002	2,4-D	EPA 555	
105.210	007	2,4,5-TP (Silvex)	EPA 555	
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screen	EPA 1613 B	

Field of Testing: 106 - Radiochemistry of Drinking Water

106.010	001	Gross Alpha and Beta Radiation	EPA 900.0	
106.092	001	Uranium	EPA 200.8	
106.270	001	Gross Alpha by Coprecipitation	SM 7110 C	
106.610	001	Radon-222	SM 7500-Rn	

Field of Testing: 107 - Microbiology of Wastewater

107.010	001	Heterotrophic Bacteria	SM 9215 B	
107.020	002	Total Coliform (Enumeration)	SM 9221 B-2006	
107.030	002	Total Coliform with Chlorine Present	SM 9221 B,C-2006	
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006	
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C,E-2006	
107.100	002	Fecal Streptococci	SM 9230 B-2007	
107.242	001	Enterococci	Enterolert	
107.245	001	E. coli (Enumeration)	SM 9223 B Colilert 18	
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert	

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.090	001	Residue, Volatile	EPA 160.4	
108.110	001	Turbidity	EPA 180.1	
108.112	001	Boron	EPA 200.7	
108.112	002	Calcium	EPA 200.7	
108.112	003	Hardness (Calculation)	EPA 200.7	
108.112	004	Magnesium	EPA 200.7	
108.112	005	Potassium	EPA 200.7	
108.112	006	Silica, Dissolved	EPA 200.7	
108.112	007	Sodium	EPA 200.7	
108.112	008	Phosphorus,Total	EPA 200.7	
108.113	001	Boron	EPA 200.8	
108.113	002	Calcium	EPA 200.8	

108.113	003	Magnesium	EPA 200.8
108.113	004	Potassium	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.121	001	Bromide	EPA 300.1
108.183	001	Cyanide, Total	EPA 335.4
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite (as N)	EPA 353.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus,Total	EPA 365.1
108.264	001	Phosphate, Ortho	EPA 365.3
108.265	001	Phosphorus,Total	EPA 365.3
108.267	001	Phosphorus,Total	EPA 200.7
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.362	001	Phenols, Total	EPA 420.4
108.381	002	Oil & Grease Total	EPA 1664 B
108.385	001	Color	SM 2120 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.439	001	Residue, Volatile	SM 2540 E-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.444	001	Temperature	SM 2550 B-2010
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.473	001	Cyanide, Amenable	SM 4500-CN G-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.560	001	Sulfite (as SO3)	SM 4500-SO3 B-2000
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.596	001	Organic Carbon-Total (TOC)	SM 5310 B-2000

108.605	001	Surfactants	SM 5540 C-2000
108.927	001	Cyanide, Available	OIA-1677-09

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8

109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
109.361	001	Mercury	EPA 1631 E
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.101	000	Organochlorine Pesticides and PCBs	EPA 625
111.103	000	Nitrosamines	EPA 625
111.120	000	Semi-volatile Organic Compounds	EPA 1625 B
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632
Field of Testing: 112 - Radiochemistry of Wastewater			
112.010	001	Gross Alpha and Beta Radiation	EPA 900.0
112.010	002	Gross Beta	EPA 900.0
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020

114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.020	030	Nonhalogenated Volatiles	EPA 8015 B
116.020	031	Ethanol and Methanol	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.090	000	Acrylamide, Acrylonitrile, Acrolein	EPA 8316
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.111	071	Pesticides	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.171	000	Nitroaromatics and Nitramines	EPA 8330 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.270	000	Carbamates, N-methylcarbamates	EPA 8318
117.280	000	Carbamates	EPA 8321 A

Field of Testing: 120 - Physical Properties of Hazardous Waste			
120.010	001	Ignitability	EPA 1010
120.080	001	Corrosivity - pH Determination	EPA 9045 C
Field of Testing: 126 - Microbiology of Recreational Water			
126.010	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
126.030	001	Fecal Coliform (Enumeration)	SM 9221 B,E-2006
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert
126.080	001	Enterococci	Enterolert